

SEQUENCE LISTING

<110> SHARMA, Praveen
SAHNI, Narinder Singh
LONNEBORG, Anders

<120> PRODUCT AND METHOD

<130> Q87920

<140> US 10/535,414

<141> 2005-05-19

<150> PCT/GB03/05102

<151> 2003-11-21

<160> 501

<170> PatentIn version 3.3

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tgtatgagat ggttaaaaag gccaaagata aaaggttct ttttttcc tttttgtct	180
atgaagttgc tgtttattt tttggcctg tttgatgtat gtgtgaaaca atgttgtcca	240
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cctagctctt ctcagtgct actattataa acaatgctac agtgaatatt ggtgnataaa      240
tccatacnca ccacgtacat atcttaagtt ctggaagaga tattgctaaa ccagaagata      300
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caaatttata ttttcggtaa aatacagata tttgccttgc tgaggatata tagaagctgt      240
caatatgtat ctactgtaca gtactaaata gtattcattt atgaaatgag tagtgttgg      300
gtggctgggg ttaaggaaaa atgagacttg gaattgttagc ttttatccaa gtttgagta      360

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tgtcaaataa gacattctgt gaaaggtaaa catcgaaact gttataagt aaaaccatca 480
agccaacaac agggtcttga gataaccttt gaagcttattt gtctggcctg caccagaaga 540
tgtctgcatt actcatttgtt aaaaatgtgt acacagaact gcactaggat taattggttc 600
aagaagaaat taaaacttac gtttgggttt ccatacagca ctctattgaa tacatgcattc 660
tgaatttaag ttgcaa 676

<210> 23
<211> 609
<212> DNA
<213> Homo sapiens

<400> 23
gaccagtaat ggcttttaag agtccatttt gtcattgtct ccctagttaa ttacaggtgg 60
gggatctttt gcctctattt tcttcattt gaaatgaatc atactcatgt tttgtggAAC 120
tccttaaagt tgttagctgtc atgatcagat ttttttata ttccctcagc ttaactctgc 180
tacttgattt acagtgcaccataaacctact catccttgggt ttatagtgac acataatctt 240
atctctttat agaaccttaa attttatcat tatttcgct tagaatacag catttcttg 300
cttctgtgc tggtttgcact taagaaataa ggcagtaact ctgatcaatc aattatccat 360
aaggaagggc ttttcatggg ttcttattat ttgttagtac cctaagtata tctgaaaaat 420
atgtctattt agagaagatt ttggcattcc agatggataa gtcttatataattttaaagtt 480
ttgaatttgc ttatataac tcagctttct ttttctagca ttttgcatt tacctgttaa 540
ttgaagtata ccccccacat ataaaagttc ctcttaaaga cactggactc tttctggggg 600
gctaaaaata 609

<210> 24
<211> 554
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 24
cccgaaatcg cggcccgctg cgacaacaaa cctgcattgtt ctgcacatgt atccaggaac      60
ttaaaaaaaaaaaaa aaaaagatag ttttgtgtc ttaattgaat aatagtagat ttatagatta      120
aagatctatg gtttttaat atggattana aatctgtggg ttttgatat ggattanaaa      180
tctgtgggtt ttaatatgg attggaaatc tgtgggttt taatatggat taaaaaacat      240
ctgtgggtt ttaatatgga ttaaacatct gtgggtttt aatatggatt aaacatctgg      300
gttttaata tggattaaac atctgtgggt ttttaatatg gttaaaaat caaaagaaaa      360
tgaactattt gctccagtgc agaaaaatac aggcaatact ggatacaatt agatggtcag      420
gagcgataac ccgggttgcca ttgtttgaag aagagaataa gngctagca ttcctatccg      480
tagataattt gacagctagg aaataggggg agtcttctat gtagtttagt aaggctaaat      540
gaactattat atgc                                         554

<210> 25
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature

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<222> (506)..(506)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (672)..(672)
<223> n is a, c, g, or t

<400> 25
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ggacttctgg aggtatgtct gggaggggaa gtcccacact atcgtatgc tgacggaggt
gcaggagaga gagcaggata aatgctacca gtattggcca accgagggtc cagttactca      120
tggagaaata acgattgaga taaagaatga tacccttca gaagccatca gtatacgaga      180
ctttctggtc actctcaatc agccccaggc ccgccaggag gagcagggtcc gagtagtgcg      240
ccagttcac ttccacggct ggcctgagat cgggattccc gccgaggggca aaggcatgat      300
tgacccatc gcagccgtgc agaagcanca gcagcagaca ggcaaccacc ccatcaccgt      360
gcactgcagt gccggagctg ggcgaacagg tacattcata gccctcagca acattttgga      420
gcgagtaaaa gccgaggac tttanatgt atttcaagct gtgaagagtt tacgacttca      480
gagaccacat atggtcaaac cctggaacag tatgaaatgt gctacaaagt ggtacaagat      540
ttattgatat atttctgatt atgctaattt caatgaagat cctgccttaa atattttta      600
attnaatggc anat .                                         674


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<210> 26
<211> 609
<212> DNA
<213> Homo sapiens


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<220>
<221> misc_feature
<222> (524)..(524)
<223> n is a, c, g, or t

<400> 26
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acatttcaca acaatatgtg tttgtggagt taaatattt ttgtcttaa aacaggtat      120


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ttagtgcacttaatttg atgattaaat atggtagaat taagcatttt aaatgttaat 180
gttggtaacttgtcaaga aataagtaga aatatattcc tttgtttttt atttaaattt 240
ttgttcctct gtaaactaaa agaacacgaa gtaattggc acaattactg gtgttaact 300
gccaaatatg gtaaataag ggaaaatttt gttaatatt tagtcctct gagatggc 360
aatatttga attttggat acgtctatac tggtagtca caagtcttat aaacacttta 420
gaggaaagat ggatttcagt ctgtatTTT aaacatcatt tattttaaat ctggtgctga 480
aaaataagaa aaaaattaaa ctgcattctg ctgttctct ttanaagcat tcctgcgtaa 540
atactgctgt aatactgtca tgcaaagtgt atcctttctt gtcgtatcct ttttgggca 600
gtggttttt 609

<210> 27
<211> 383
<212> DNA
<213> Homo sapiens

<400> 27
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aatgacaaca gaaaaacaat ctattccga gcattccagt aactttttg tgtatgtact 120
tagctgtact ataagtagtt ggttgtatg agatggtaa aaaggccaaa gataaaaggt 180
ttctttttt ttcctttttt gtctatgaag ttgctgtta tttttttgg cctgttgat 240
gtatgtgtga aacaatgttgc tccaacaata aacaggaatt ttatTTGCT gagttgttct 300
aaaaaaaaaaa aaaaaaaaaaa aaaaaaaaaaa aaaaaaaaaaa aaaaaaaaaaa ttttaaaattt 360
tttaaaataa aacccttggt tat 383

<210> 28
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (306)..(306)
 <223> n is a, c, g, or t

<400> 28
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 aggccctgtt ctgagccctg acatgtgctt gggcactggc gggcctggc ttctgagggtg 120
 gcctcctgcc ctgatcaggg accctccccg ctttcctggg cctctcagtt gaacaaagca 180
 gcaaaaacaaa ggcagttta tatgaaagat tanaagcctg gaataatcag gcttttaaa 240
 tcatgttaatt cccactgtaa tagcataggg attttggaaag cagctgctgg tggcttggga 300
 catcantggg gccaagggtt ctctgtccct ggttcaactg tgatttggct ttcccgtgtc 360
 tttcctggtg atgccttgtt tgggttctg tgggttggg tggaaagagg gccatctgcc 420
 tgaatgtaac ctgctagctc tccgaagccc tgcgccctg gcttgtgtga gcgtgtggac 480
 agtggtggtcc gcgctgtgcc tgctcgtgtt gcctacatgt ccctggctt tgaggcgct 540
 gcttcaacct gcacccctcc ttgtctcata gatgctcctt ttgacccttt caaaattaat 600
 atggatggga aagctcctat gcctttggc ttccctggtag aaggcgggat gccaagggt 660
 ctgcctgggt gtggattgga tgcttgggt gtgggggtt gaaactgtct tgtggcccac 720
 ttgggcccc 729

<210> 29
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 29
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 gaaagggtcc aagactccat taactgccct ggatgaaggg cactgctaca gcagctagta 120
 ccagagactc tccttatctca cggttgggc agacccagga tagaatagag aataaaagga 180
 atgcttatacg gaaacaattt tgtatggaaat gctagatggc caagcctcag ctttggtcc 240
 agtgcaaccc ttgcctcgct tgtcaacagt gaaaaattag tttggtaga agaaccatct 300

ggaaacacac cagttctgc taccttcatg ctcattgtta aaaaaagatt aaccagtgtg 360
aacattctga tctgttaatt ccagggactg ttttcttcc aatggactgt ttgttgtag 420
aataacccc aaaagctcaa agctaaaatg catcatcagt cctagtcggc agttccttaa 480
gaatggactg gcggcggtgg tgagctgatt tggaaaactg cccttctgca aaaaacactg 540
gcctgcttca ca 552

<210> 30
<211> 606
<212> DNA
<213> Homo sapiens

<400> 30
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acatttcaca acaatatgtg tttgtggagt taaatatttt ttgtctttaa aacaggtaat 120
tttagtgcac acttaatttg atgattaaat atggagaat taagcatttt aaatgttaat 180
gtttgttaca ttgttcaaga aataagtaga aatatattcc tttgtttttt atttaaattt 240
ttgttcctct gtaaactaaa agaacacgaa gtaattggc acaattactg gtgtttaact 300
gccaaatatg gtaaataag ggaaaatttt gttaatatt tagtcctct gagatggc 360
gaatatttga attttgtt acgtctatac tggtagtca caagtctttaa aacacttta 420
gaggaaagat ggatttcagt ctgtatTTT aaacatcatt tattttaaat ctggcgtga 480
aaaataagaa aaaaattaaa ctgcattctg ctgttctct tttagaagcat tcctgcgtaa 540
atactgctgt aatactgtca tgcaaagtgt atccttctt gtcgtatcct ttttggggca 600
gtggtt 606

<210> 31
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (617)..(617)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (663)..(663)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (677)..(677)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (706)..(706)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (710)..(710)
<223> n is a, c, g, or t

<400> 31
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gataccatat gtgggtgccg ggggggatag gtgagaagta ctagaaggcg gaatggaagg      120
acacttctgc tcagctctgt gacacgggca gggaccctgc agggctcagg tcctttaaca      180
cagcagcttc attctaacac cagcagcggtt ggaacacacg tacaagtatg cagactaagc      240
tcttgcttgg ctgataacggc ttttgggtt ttttagagaac atgcataatat gttctcattc      300
atggtacatg aactcagaag ccttactgcc tattttgtt aatacttctg ggcaaacatt      360
accacttaca actcacacca gtttagaaatc atttgtaaaa tgttatttaa taaagccaaa      420
gaactaaatc atatttatcc tccaaggntt tctaagatct ctgaaactaa tgagggtttt      480
taaatccccca ttaagtactc atcactgcta gtaaaagcag ttgtctttac cttaattcc      540
agtgagtcgg cttaaattta ttttttatta tctttggcta cattgcctta gacaaaatgt      600
ggtcacccta atttaangga taaaattcac atcctcacag atttcttatt aagagggtct      660
aanccttgaa taatcancag tgaaaatgga agtcttctt actggnttn atccttccc      720

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tttttatcc catg

<210> 32
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 32
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gctggggaa aatgagttct aattgtcana gctaccaa at cttcacctt tagcataaag 120
gtttaaagat atcacaaaga tgccaagtga ttaataatgt tttaaaccac ccctttct 180
gtctgaaaaa acaactaaaa caatattaca acagtatagt tacagaaggg ttctatttc 240
atatgttta tgcacactgt gcctcaaagg tactatttaa atatatatac tttgagggg 300
gtggcta atg cagaaacacc caagacctaa ggaagataca accccatttc tagtgtgag 360
gtctaaatgc ttcacacacc cacttgtac ct ttttcat gaagaatcat aacactgtgc 420
agtgagaaac agtggcaaag caatactgaa agcatttaa attatttact aggtaaaag 480
ggtaactga tactttaaat acatcaaatt tcatcat 517

<210> 33
<211> 536
<212> DNA
<213> Homo sapiens

<400> 33
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acatggcaa aggagatcct aagaagccga gaggcaaat gtcatcatat gcatttttg 120

tgcaaacttg tcgggaggag cataagaaga agcacccaga tgcttcagtc aacttctcag	180
agttttctaa gaagtgctca gagaggtgga agaccatgtc tgctaaagag aaaggaaaat	240
ttgaagatat ggcaaaaagcg gacaaggccc gttatgaaag agaaatgaaa acctatatcc	300
ctccccaaagg ggagacaaaa aagaagttca aggatccaa tgcacccaag aggccctcctt	360
cggccttctt cctttctgc tctgagtac gccaaaaat caaaggagaa catcctggcc	420
tgtccattgg tcatgttgcg aagaaactgg gagagatgtg gaataacact gctgcagatg	480
acaaggcagcc ttatgaaaag aaggctgcga agctgaagga aaaatacgaa aaggtta	536

<210> 34
<211> 622
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)..(5)
<223> n is a, c, g, or t

<220>
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<222> (8)..(8)
<223> n is a, c, g, or t

<220>
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<222> (21)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(80)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
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<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<400> 34
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acctntctga gaaacatann agacaatgag gaaaaggatt cancattccg tggaatttgt 120
accatgatca gtgtgaatcc cantggcgta atccaagtaa gatgttcaca aagatttgtt 180
tttaatgtct aattaataaaa attttaaagg aagaaacatt ctaatacttt aattataaaaa 240
agttaactat tttcaaaggt atcaaaatac agttaaacct ttaaaatgta tatttcttaa 300
tatcttgaaa ttgtaatgcc tttttttttt cctaaatttt ttttgcataa aaatgagata 360
gtaacagcag attgggacaa caaggttata ttcttgtctt gaatcaggcc atggcttctt 420
tcatccaaat ttcagaccc tcattttac tttgtccctg cctcccatcc ctggatata 480
ngtttgga tatctacagt taatagagt accaaatagt aggaataactg tctctctatt 540
ctgaataaaaa tactttgaat cagatttaga aataatgaat aaaataaaaa tcaccattga 600
aattgctcta attttgagag ct 622

<210> 35
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

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<400> 35
atcacntgag gcaagagttt gagccagcct agctaacatg gtgaaacccc atctctacaa 60
aaatataaaa attagcctgg gtggtgatgg gcacctgtaa ccccagctac tcgggaggct 120
gaggtaggag aatcaacttga acccgggaga tggaggttgc agtgagccaa gatcgtgcc 180
ctgcactcca gcctgtgtga cagaacaaga ctctgtctca aaaaaaaaaata ataataataa 240
taataataaa aaggaataaac atagcttagga ataaatttaa tcaaagaggt gaaagactta 300
tacacttaaa actacaaaaaa aaaaatcaact gaaggaatta tagacccaaa taaaaataaa 360
taaaaaagaca ttctgtgtt tagggaaaga agacttaata ttgttaagat gtcaataacta 420
cccaaagtga tctacagatt caacataatc cctatcaaaa ttccaaacagc ctactttgt 480
gaaatggaaa agccaatttt caaattcaga tggaattgcg aggggttctg aataacaaaa 540
acaatcttgg ggaaaaaaaaa caaaaaacaa agtcaaagaa ctcacacttc tctatttata 600
aatttactac aaagttatacg taatcaaa 628

<210> 36
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

<400> 36
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ctgatgactt gtgtgcattt gtacattgca accttagctt acctcttcaa gcatgttagag 120
cattcatcac ccaccattca ttcaactgcct actccccacca cagctgttc gtggctgtc 180
tgctccctgt gccaccccca ccccatcagg tgggcctttt gcaagtgtatg aagtcaccc 240
tggggaaaga gcttccttt cctctcctca actcagaagg cctcttcctc ttgctcaaga 300
gggtgctgct gctttctgcc tcattccccg gccggcctcc atcccaagtcc acctttcag 360
aaatggccccc tcagtcaact cttccctttt ctcctggctt tttatttctc ccagtcttt 420

aagagtatcc ttagcttaa aaacaataac acagaggatg ggtgcagtgg ctcatgcctg	480
taatcccagc actttggagc ctggggcggg cggatcaatt gaggnca	527
<210> 37	
<211> 403	
<212> DNA	
<213> Homo sapiens	
<400> 37	
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attcttctgt ccctggatac atgaattact gccatctta cacagcgccc taaaatacca	180
acgcgaagtt acctgctcag cttgaagctg cgctgtaccc tggaaccagc acttctgctg	240
aatgactcag gatgaaggct cgacttctcc ttcccatccc atgcccagac cccagtggct	300
cctttcccaa tctgatccag tgactttaag tccagctgtt gcaacctggg catgaggagg	360
agtgc当地 ggctttgtcc tacctggaaa gaggcttct gga	403
<210> 38 .	
<211> 111	
<212> DNA	
<213> Homo sapiens	
<400> 38	
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<210> 39	
<211> 329	
<212> DNA	
<213> Homo sapiens	
<400> 39	
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attcaaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag	120
agacacaaaa aaccattcaa aaaaaaaca tgaatccagg agttttttt taaaaagat	180

caacagaatt gacagactgc tagcaagact aataaagaag agagaagcat caaatagact	240
caataaaaaa tgataaaggg gatatcacca ccaatccac agaaatacaa actaccatca	300
gagaacacta taaacacccctc tatgcaaat	329
<210> 40	
<211> 341	
<212> DNA	
<213> Homo sapiens	
<400> 40	
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attcaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag	120
agacacaaaa aaccattcaa aaaaaaacaa tgaatccagg agttttttt taaaaagat	180
caacagaatt gacagactgc tagcaagact aataaagaag agagaagcat caaatagact	240
caataaaaaa tgataaaggg gatatcacca ccaatccac agaaatacaa actaccatca	300
gagaacacta taaacacccctc tatgcaaata aactagaaaa t	341
<210> 41	
<211> 185	
<212> DNA	
<213> Homo sapiens	
<400> 41	
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attcaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag	120
agacacaaaa aaccattcaa aaaaaaacaa tgaatccagg agttttttt taaaaagat	180
caaca	185
<210> 42	
<211> 553	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (119)..(119)	

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (361)..(361)

<223> n is a, c, g, or t

<400> 42

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agaaggccaa	ggcataggga	gtggggcagt	tgggtgaata	ttagtacctt	tccctcagnt	120
ncattaatta	cccctgccta	ctctgcacaa	aaggatntaa	caacagttc	cttttaatg	180
gccaggtaca	gctgcttata	tggangggca	tttnntnaatg	atatccttna	tcactgtctt	240
aatcatcaca	tncttaaaac	aatcaactta	ttgtgttaag	gaagataaaa	atggctgggt	300
tcaatttccg	ttctggaaga	aatcgantna	aaaggtaacc	atthaataat	gcanagggca	360
ntttcactgc	agaccctaatt	actggaaattt	tttaaaaaca	aatgaaaaac	ttctactttt	420
tcttctaagc	ttacttaacc	acccaaattt	tccagccaca	tatcttccta	gtctacaact	480
gcctttaact	ttaagagatg	ctcaaaaaaaaa	tgtaaattct	caaatacatt	cttattacaa	540
ttactgctaa	cct					553

<210> 43

<211> 510

<212> DNA

<213> Homo sapiens

<400> 43

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actcagttgt	catgacttgg	acaggtgcta	ctgtcaccca	gtggtagag	gtcagggatg	180
gtgctaaaca	taggacagct	gtcaagagaa	aagaatgtac	ccagccccaa	atgtcagtag	240
ggctgagggtt	gagaaaccca	gctgtagctg	acgtgtgaag	gacagactgg	cctggaagtg	300
tgttttctgc	ccctttccac	ccctgcataat	tagttaaggc	caaaggaaaa	aaggaatgca	360
ggaaatgccc	gttaaaaatc	ttcaaaaacaa	tataaaatga	tcaattccac	taaaaccctt	420
tacacattta	agtataaagg	tattggtagg	aaaatttgtt	attcactgct	tttctcagtg	480

tcatgaaata attatttctg ctgtcagttt	510
<210> 44	
<211> 335	
<212> DNA	
<213> Homo sapiens	
<400> 44	
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tgttttaggg aaagaagact taatattgtt aagatgtcaa tactacccaa agtgatctac	120
agattcaaca taatccctat caaaattcca acagcctact ttgtagaaat gaaaaagcca	180
atttcaaata tcagatggaa ttgcgagggg ttctgaataa caaaaacaat cttggggaaa	240
aaaaacaaaaa aacaaagtca aagaactcac acttctctat ttataattta ctacaaagtt	300
atagtaatca aagtcgacgc ggccgcgatt ccggg	335
<210> 45	
<211> 314	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (304)..(304)	
<223> n is a, c, g, or t	
<400> 45	
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cttcggcggtt gggtgaaaga aaatggcccg aaccaagcag actgctcgta agtccaccgg	120
tggaaagcc ccccgcaaac agctggccac gaaagccgcc aggaaaaagcg ctccctatc	180
cggcggggtg aagaagcctc atcgctacag gcccgccgacc gtggcgcttc gagagattcg	240
tcgttatcag aagtcgacccg agctgctcat ccggaagctg cccttccaga ggttggtgag	300
gganatcgcc cagg	314
<210> 46	
<211> 537	

<212> DNA
<213> Homo sapiens

<400> 46
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aacattccat agatcaacag aaaatacatt tgagcgcaaa aataaaaaat atttaaggag 120
aatctctaag cagcattta tttctgcaaa agacatatct tgtctgatta aatatctaca
agtgcatttc cttaaaaaa tacatatatt cttaatagac taagtcatta acaatgacct 180
ggtaattctt tcacttcaat ttgaatgatt tataagctaa atcttcaacc acaaaaaggt 240
ttttatttgt attaagatgt taccactttt gacaaaaagc ttaaaatatt ttatattca
aaggaaaatt agcaacataa cttaacaata tattctatga tatttgatt gtgagggcta 300
ctctatttaa aactgatgat ctctgttgc ttgctcagat gcagggaaagc agaaaa 360
537

<210> 47
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<400> 47
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aatagagtaa aacagtgttt ctaggctggg agacaccaga catagttgag gacagaggtg 120
ctagaaaata ggaagttaa aagcatgtgc ggtgatgctc agaggaggt aaccccaccc
tcatgctcat agcttccaat catttctct agttcttaac tcttaatgt gagaaatgct 180
tgaagattct agtcatctga agaaaagtctc tttattaaag attttcataa aagagaccaa
agcagacaaa cagaaaaaga catcttgggg aaaaaaaca ggataatggg aagagaagga 240
aagtttaaa aattatcaat atcctcaggg ggacaaaata ttatatccta taaagacaga 300
420
480

tttttatttt ttaaaaaaat agaaagcaaa acaagctcct aaaaataaaag tttg 534

<210> 48

<211> 444

<212> DNA

<213> Homo sapiens

<400> 48

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gtgcccaattt ctgggtggaa tggtgacaac atgctggagc caagtgctaa catgccttgg 120

ttcaaggat ggaaagtcac ccgtaaggat ggcaatgcca gtggaaccac gctgctttag 180

gctctggact gcatcctacc accaactcgt ccaactgaca agcccttgcg cctgccttc 240

caggatgtct acaaaattgg tggtatttgtt actgttcctg ttggccgagt ggagacttgt 300

gttctcaaac ccgttatggt ggtcacctt gtcacgtca acgttacaac ggaagtaaaa 360

tctgtcgaaa tgcaccatga agcttgagt gaagctttc ctggggacaa tgtggcttc 420

aatgtcaaga atgtgtctgt caag 444

<210> 49

<211> 566

<212> DNA

<213> Homo sapiens

<400> 49

ctttgaagaa ctttgccaaa tactttctta ccaatctcat gaggagaggg aacatgctga 60

gaaactgatg aagctgcaga accaacgagg tggccgaatc ttccttcagg atatcaagaa 120

accagactgt gatgactggg agagcgggct gaatgcaatg gagtgtgcac tacatttgg 180

aaaaaatgtg aatcagtcac tactggaact gcacaaactg gccactgaca aaaatgaccc 240

ccatttgtgt gacttcattt agacacatta cctgaatgag caggtgaaag ccatcaaaga 300

attgggtgac cacgtgacca acttgcgcaa gatgggagcg cccgaatctg gcttggcgaa 360

atatctcttt gacaaggcaca ccctgggaga cagtgataat gaaagctaag cctcgggcta 420

atttccccat agccgtgggg tgacttccct ggtcaccaag gcagtgcacg catgttgggg 480

tttccttac ctttctata agttgtacca aaacatccac ttaagttctt tgatttgcc 540

attccttcaa ataaagaaat ttggta 566

<210> 50
<211> 400
<212> DNA
<213> Homo sapiens

<400> 50
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gtgagttcct ctctattgac ttgctggaa gtttatagag acattttta tgcattcaga 120
gatttcagta caaatcttga aaaagggaca ttttaggccgg gcgcgggtggc tcacatctgt 180
aaccctagca ctctgggagg ctgaggtggg tggatcatga agtcaagaga tagagaccat 240
cctggcaaaa attagctggg cgtgggtggg tgcccccgtta gtcccagcta ctcgggaggc 300
tgaggcagga gaattgcttg agcccgaggag goggaggttt cattgagccg agatagtgcc 360
actgcactcc agcctggaca acagagcgag actgtgtctt 400

<210> 51
<211> 562
<212> DNA
<213> Homo sapiens

<400> 51
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tagatgtgca gatggaatga agagaaggtc tcaagaagag ggtggagcca aagagggtcg 120
cagattttaga aggctaaagt cttagatgg cttagatgg cctgttgtat cttggaccat 180
gcaggttaca gtggagcatg gagtggggac agaagtggag gaaggaacca gggAACATGG 240
agtgagaagc taaaggaaag tggatgcagta gatacatggc tctaaagtac tcaggacttt 300
cagaggcttta aacatagggt gaccaactat cccactatgc ctgataactaa gggcattccc 360
tggatgtgga ctttcattt cccaaattttt gaaagtcttgc ggcataccaa gacaagttgg 420
ccaccctact caaaagtatg taagctaaca tatctgttct ctaagagggtt aaagctggat 480
ggggatccca gatgtatgtt cgtgatgcag ttAAACAGCA atacaagggg gcaagtctac 540
ctgatcggcc aattcaatgg ga 562

<210> 52
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 52
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 agtcatgatt gggatttctg ggtcctaata gtgctctgtg tcttgatctg agtgcgcact 180
 acatgagtgg ttaggtttc aaaattcatt gagttatgca cttaatggtg ttgtcttatt 240
 agagctgatg gaggagagag ggcttcaatt tgcacaactg agtaatcagc taggcccagt 300
 cactaggtga acaacttact gctccaatca gccttagagc aggaatcaaa ctcatgtctc 360
 agaaaagtta ttaattcagc ttgtcttggg acttccttca gagtcactct tgaatagctg 420
 aaatagtaaa tggatgc 53
 tggtgtaaat tatttttagtc atcagctcta 480
 ataagatggc ctttgggaa atgagtataa ggtcacgaaa atgaaatggc aagaaggagg 540
 tctactattt cttctgtaat actgattttt accccatcag ggtcagtccc cagaggttgt 600
 aaatgtgaag cttgtctttt tctttaataa 630

<210> 53
 <211> 685
 <212> DNA
 <213> Homo sapiens

<400> 53
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 ctaaaagcag ccaccaatta agaaagcggtt caagctcaac acccactacc taaaaaatcc 120
 caaacatata actgaactcc tcacacccaa ttggaccaat ctatcaccct atagaagaac 180
 taatgttagt ataagtaaca tgaaaacatt ctcctccgca taagcctgcg tcagattaaa 240
 acactgaact gacaattaac agcccaatat ctacaatcaa ccaacaagtc attattaccc 300
 tcactgtcaa cccAACACAG gcatgctcat aaggaaaggt taaaaaaaagt aaaaggaact 360
 cgccaaatct taccGGGCT gttaccaaa aacatcacct ctagcatcac cagtattaga 420

ggcacccgcct gcccagtgac acatgtttaa cggccgcggc accctaaccg tgcaaaggta 480
gcataatcac ttgttcctta attagggacc tgtatgaatg gctccacgag ggttcagctg 540
tctcttactt ttaaccagtg aaattgacct gcccgtgaag aggccggcat aacacagcaa 600
gacgagaaga ccctatggag cttaattta ttaatgcaaa cagtcctaac aaaccccagg 660
tcctaaactc caaacctgca ttaaa 685

<210> 54
<211> 533
<212> DNA
<213> Homo sapiens

<400> 54
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tcacagagtg ggcacaaacga cctacggcac tttgaccccg agtttaccga aggcctgtc 120
cccaactcca ttggcaagtc ccctgacagc gtcctcgtca cagccagcgt caaggaagct 180
gccgaggctt tcctaggctt ttcttatgcg cctccacgg actcttcct ctgaaccctg 240
tttagggcttg gttttaaagg attttatgtg tgtttccgaa tgtttagtt agcctttgg 300
tggagccgcc agctgacagg acatcttaca agagaatttgc cacatctctg gaagcttagc 360
aatcttatttgc cacactgttc gctggaagct ttttgaagag cacattctcc tcagttagct 420
catgaggttt tcattttat tcttccttcc aacgtggtgc tatctctgaa acgagcgtta 480
gagtgccgcc tttagacggag gcaggagtt cgtagaaag cggacgctgt tct 533

<210> 55
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 55
gaatccctag aaaaagagaaa ttcccaactt gatgagaaaa acttagaact gcgaaggaat 60

gtagaatctt tgaagtgtgc aagcatgaaa atggctcagc tacagctaga aaacaaagaa	120
ctggaaagtg aaaaagagca acttaagaag gtttggagc tcctgaaagc atcttcagg	180
aaaacagaac gcttagaagt tagtaccag gtttagata tagaaaatca aagactgcaa	240
aaaactttag agaacagcaa taaaaaatc cagcaattag agagtgaact acaagactta	300
gagatggaaa atcaaacatt gcagaaaaac ctagaagaac taaaaatatc tagaaaaga	360
ctagaacagc tggaaaaaga aaataaatca ttagagcaag agacttctca actggaaaag	420
gataagaaac aattggagaa ggaaaataag agactccgac ancaagcaga aattaaagat	480
ccacatttga agaaaataat gtgaagattt gaaatttggaa aaa	523

<210> 56
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 56	
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gaaactgatg aagctgcaga accaacgagg tggcgaatc tt当地tcagg atatcaagaa	120
accagactgt gatgactggg agagcggct gaatgcaatg gagtgtcat tacatttggaa	180
aaaaaatgtg aatcagtcac tactggaact gcacaaactg gccactgaca aaaatgaccc	240
ccatttgtgt gacttcattt agacacatta cctgaatgag caggtgaaag ccatcaaaga	300
attgggtgac cacgtgacca acttgcgcaa gatgggagcg cccgaatctg gttggcgga	360
atatctcttt gacaagcaca cc当地ggaga cagtataat gaaagctaag cctcggctaa	420
at当地ccccat agccgtgggg tgacttccct ggtcaccaag gcagtgcata catgttgggg	480
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<210> 57
 <211> 616
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<400> 57
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atcatgtgcc cagacctaag gtcaggaatg tcataaaaa ctgttaaaaat cattttattt
ctgtgtatct taccttaaa tcattgttgt ttactctgag attctgttagt cctaataattg 120
tatcattgtg ctgtctgcaa aacaacttga atctatttt tttgcattt ttgttacatg 180
taacgcagct gtactttatg ttcttgcaa ctgtttccat tatgagaacg ctgtgctatt 240
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ggtgtgtgct tgtaatccca gctactcggg aggctgaggc aggagaatcg cttgaatccg 480
ggaggcagag gttgcagtga gccaaagatca ngccactgca ctccacctcg gggtaagag 540
cqaaactctg tctcaa 600
616
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<210> 58
<211> 598
<212> DNA
<213> Homo sapiens

<400> 58
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aaagtgcgtgg gattacagggc gtgagccacc gcgcggcg taaatcaggt ttttaaatg 120
tttgccaaac cttatcactg actttataa caaaattatt tactataatc attagggat 180
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caagctaagc ttattgttg ctactatttg aggcatatta gttgactggc gttcatatgc 300
aaggcagtct actgggtgca acaagggtta gaaggatatt tttaaaaaac tgaccctatt 360
ctcaggatga aaataataca ctagtaatag tctgctctgt tggtaactc ctcgtaaagg 420
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ggtcaattaa aatgctgttag tggcaagg gaaggagagg aagaatcata ttcccttcact	480
agcaggatca agaaagcttt tatagaaata tacaaaatct tcacttcttg aaggattggt	540
aaaatttaat agccaacatt gggacttat tcattctctg agtaaatatt tattgcat	598
<210> 59	
<211> 524	
<212> DNA	
<213> Homo sapiens	
<400> 59	
cttaaatcta aatggaccac attctctact taaaaaaatg ctattaacca tgtgatctc	60
tcagtcatga ggtatctgg tgactaccct tcctcaaagc cagttggat attctttgaa	120
tagagaaaa cagtgttct aggctggag acaccagaca tagttgagga cagaggtgt	180
agaaaatagg aagttaaaa gcatgtgcgg tgatgctcg aggaggtaaa ccccaccctc	240
atgctcatag cttccaatca ttttctctag ttcttaactc ttAAATGTGA gaaatgcttg	300
aagattacta gtcatctgaa gaaagtctct ttattaaaga ttttcataaaa agagacaaaa	360
gcagacaaac agaaaaagac atcttgggg aaaaaacaag gataatggga agagaaggaa	420
agttttaaaa attatcaata tcctcagggg gacaaaatat tatatcctat aaagacagat	480
ttttttttt taaaaaaaata gaaagcaaaa caagtcctta aaaa	524
<210> 60	
<211> 534	
<212> DNA	
<213> Homo sapiens	
<400> 60	
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cgaaggcttt aaaggccaag aaggcagtgt tgaaagggtgt ccacagccac aaaaagaagg	120
agatccgcac gtcacccacc ttccggcggc cgaagacact gcgactccgg agacagccca	180
aatatcctcg gaagagcgct cccaggagaa acaagcttga ccactatgct atcatcaagt	240
ttccgctgac cactgagtct gccatgaaga agatagaaga caacaacaca cttgtgttca	300
tttgtggatgt taaagccaaac aagcaccaga ttaaacaggc tgtgaagaag ctgtatgaca	360

ttgatgtggc caaggtcaac accctgattc ggcctgatgg agagaagaag gcataatgttc 420
gactggctcc tgattacgat gcttggatg ttgccaacaa aattgggatc atttaaactg 480
agtccagctg cctaattctg aatatataata tatatatata tctttcacc ataa 534

<210> 61
<211> 512
<212> DNA
<213> Homo sapiens

<400> 61
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ggttgaagaa tgagaccctt aggttttaac acgaatcctg acaccaccat ctatagggtc 120
ccaacttggt tattgttaggc aaccttccct ctctccttgg tgaagaacat cccaagccag 180
aaagaagtta actacagtgt tttccttgc accgatcccc accccaattc aatcccggaa 240
gggacttact taggaaaccc ttcttacta gatatcctgg ccccctggc ttgtgaacac 300
ctcctagcca catcaactaca gtacagttag tgaccccagc ctcctgccta ccccaagatg 360
ccccctccca ccctgaccgt gctaactgtg tgtacatata tattctacat atatgtatat 420
taaaaactgca ctgccatgtc tgccttttt tgtggtgtct agcattaact tattgtctag 480
gccaaagcgg gggtgggagg ggaatgccac ag 512

<210> 62
<211> 642
<212> DNA
<213> Homo sapiens

<400> 62
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atcaaaaata aatcttgagg ctggtagagc agctttgttgc ctgtttatat ttttattgtct 180
tactggattt cagtgttacc tagtgccatc agttggat tttgccacct tgcacattca 240
gtgatgtttg atttttcttt ttccttttt tcataattact tttaaatcct gaatagttg 300
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gtaaagaata gaaaattagt aaaatgcatt gcttcagaat tatagcaatt tgcaaaatag 420
gttaatggat gaaaattaga atgaccagtt taactttccc cccagcagat tcttctgtta 480
aacaatgccc cttcaaaata aaggaagaac aagtgggtgt tatacctatg ttatggct 540
atgttagcac aatatgatgg actaatttga gaaaaagcat ttacttcctt tactattact 600
tctttctt ataggctaa gtctgccttc tgggtcttg aa 642

<210> 63
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<400> 63
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ccgttagctgg gctctgcgag gtgcaagaaa gccttgagg tgaagggtgtaa tgaaagtcat 120
cataacagat gtttccaaa aacttgtaga aggttgtgaa aaaactacta ggatcacgac 180
gcatgtattt agcatataagg ttgctgtaga tgaatgttct tagctgtcat gttaaaaat 240
acttctgctt cgttaccta agtgtggcat gcagcatttt ggaaggaaaa ttgaagacgt 300
gttcaagaaa acatgaacag aagcaaatga tgaaaatgag cattttactt gatgttgata 360
acatcacaat aaattatgga gaaaaataca tattggcta acttttaatt gctgaacaat 420
aaagtgtttt cttaaatc naaaaa 446

<210> 64
<211> 629
<212> DNA
<213> Homo sapiens

<400> 64
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aaaatcagtg gtttagaag ttagaataat gattatctt ggagggattt caactggaaag 120

aagtcatgat tgggatttct gggccta at agtgctctgt gtcttgatct gagtgccgac 180
tacatgagtg gtaggtttgc caaaattcat tgagttatgc acttaatggt gttgtcttat 240
tagagctgat ggaggagaga gggcttcaat ttgcacaact gagtaatcag ctaggccag 300
tcacttaggtg aacaacttac tgctaccaat cagccttaga gcaggaatca aactcatgtc 360
tcagaaaaat tattaattca gcttgtcttg ggacttcctt cagagtca ctgtaatagc 420
tgaatagta aatgttaat ctgtggatgc aagtgtgtaa attatttttag tcatacgctc 480
taataagatg gccttgggg aaatgagtt aaggtcacga aaatgaaaatg gcaagaagga 540
ggtctactat ttcttctgta atactgattt ttacccatc agggtagtc cccaaaggtt 600
gtaaatgtga agcttggtct ttttcttta 629

<210> 65
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 65
gaccctattc tcaggatgaa aataatacac tagtaatagt ctgctctgtt ggttaactcc 60
tcgtaaggag gtacaattaa aatgctgttag tggtgcaagg gaaggagagg aagaatcata 120

ttccttcact agcaggatca agaaagcttt tatagaaata tacaaaatct tcacttcttg 180
aaggattggtaaaatataat agccaacatt gggcaacttat tcattctctg agtaaatatt 240
tattgcattgttatcttgta tcaacattgn gatgaaagcn caagaatgaa agaggaggga 300
gaatgtttan agaataaggc tgaaaacacag attttgttagg gagcgttaggg gagactgana 360
aaacag 366

<210> 66
<211> 202
<212> DNA
<213> *Homo sapiens*

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<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t
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<222> (201)..(201)
<223> n is a, c, g, or t
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<400> 66
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tagaattggg ctgaaaacaa tacatcaa at tctcagcaaa atccttatgg gttgctggat 120
accgagggtt tttaagatct ttagacttca ctatata gaa caaatgttga atggaaattt 180
tctttatttc tatancgtt ng 202

<210> 67
<211> 634
<212> DNA
<213> *Homo sapiens*

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<220>
<221> misc_feature
<222> (606)..(606)
<223> n is a, c, g, or t
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<400> 67 cccqqaatcq cqgcccgcgtc gacggatgagc attttttcat gtgtctttg gctgcataaa 60

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tttcttgtaa atttgttga gttcattgta gattctggat attagccctt tgtcagatga 180
gttagttgcg aaaattttct cccattttgt aggttgcctg ttcactctga tggtagttc 240
atttgctgtg cagaagctct ttagttaat tagatcccat ttgtcaattt tggctttgt 300
tgccattgct tttgggtgtt tagacttgaa gtccttgccc atgcctatgt cctgaatgg 360
aatgcctagg tttcttcta gggtttgat ggttttaggt ctaacgttgc agtcttaat 420
ccatcttta aaagtctctt cacagtacat gagtagtagt gacaccaata atgtcagagc 480
agggaactcc caggttctgc ccatccacaa aaacaacaaa taagctggca aaaactttaa 540
gaatcaactt ttgcagatct ctgaaatcta gtcaaaactt aaacagagga aagattaata 600
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<210> 68
<211> 644
<212> DNA
<213> Homo sapiens

<220>
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<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (642)..(642)
<223> n is a, c, g, or t

<400> 68
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gatgataaag cacctgctta tcatgaagct anagaaattc aatgacacgt ttgccagggt 120
ctttgctagt gatgttgaa caagtctgta atgctgatga aacatcactg ttcccggcatt 180
attgccccag aaagacactg actgcagctg atgaaacagc cttccaaga attaaggatg 240
ccaaagacca aataactgtg ctgagatata cttacgcagc aggcatgcat aagtgtaaac 300
ttgctgttat aagcaaaagc ttgcgttctc actgtttca aggagtgaat ttcataccaa 360

tccattatta tgctaataaa aaggcatgga tcaccaggga catctttca gattggtttc 420
acaaacattt tgtaccagca gcttgtgctt actgcaggga agctgactgg atgatgactg 480
caagatttg ttatatctta acaactgttg tgctcatcct ccagctgaaa ttctcatcaa 540
aaataatgtt tatggctcac acctgtaatc tcaacacttt gggaggattg cctgaccagg 600
gagttcaagc ccaccctggg caacacagca agacccaacc tntc 644

<210> 69
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<400> 69
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cagatgccag ggacatgtgg actattgtta ctttcctcc ctgtcccacc ccccaaatgt 120
tacagtgacc acaaagcaag gtgttcacaa taattacatg ggggaaattt tttaaaccac 180
caacaataac gaaaaataaaa atccactcac tctgctgctg tttcaaaatt tcaatgttag 240
ttttgcacg ccctcccccc ccccaaccct gtttgcagg aactaaaaca ttacatctgg 300
tgaacagcaa agatttcact acacactcaa tgcagaacac ctatgaagca gaggaatgtt 360
ggcttttaa acagaaggcag ataaaaaaaaa aagatgcagg actccttcag ttcttcacta 420
gtcttagaaa aactttccag aatactgctt cacactataa aaaagaaaaa atatcttgca 480
ttagaatcct tcaacatctg catactgctt cacactgttc gtttcttagga gcactttgtc 540
acaggacact tctgcttata tttcttaat cagaacttag ttggatgggc cgggcatgg 600
ggctcacgccc tgtaatccca gcactttggg agggcgaggg ggtggatcac c 651

<210> 70
<211> 752
<212> DNA

<213> Homo sapiens

<220>
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 <222> (684)..(684)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (707)..(707)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (709)..(709)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (713)..(713)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (723)..(723)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (734)..(734)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (746)..(746)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (748)..(748)
 <223> n is a, c, g, or t

<400> 70
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 taactgatta cttgaatctg attaaacatc acagaaaatgg gctttgataa gaacaatatt 120
 gaataagaaa ttttaaataa caaaacagct tatagaaaaaa ttcagcataa cttttccatc 180

accttcacca cccttgcctt ttattatcct gtcctgtatc actgctttct gtttagcagtg	240
tttgtgtgagt taggatttgg gcaggaaagc aaaagcaacc acccgtcatt ttcccagaat	300
gaagggtttg acgttaggatg tagactttgt atagtagttg ggagagctgt gggagtgaag	360
gtcagggatg tcacctacag aagtcaaggaa atctgccacc agagatcctg catcagaaac	420
agccaacagc gtgcttctga agaacttagtggc tataattctt aggaatccca	480
gcaagtccgc accactgtct cagtctacag cagtggagaa aggggttcc aggagctctc	540
tggaaagttc ctgcccacac tttgcaacaa tcttcagagg ataatggct tctcttccag	600
cttccacacc caacaagagt gcctttcatc ggccaactct aacctggaac cctatggcag	660
aggggattta ggagacagtt tgtnatgtct gtggaatgca aatgaanang tancaatgct	720
tanttgacag cggnncataca caaatntnga aa	752

<210> 71
 <211> 12
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<400> 71 12
 gatccgtnga ct

<210> 72
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 72 60
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 ccctttcggt tcttgggggt ggaaagggag ggatgaattt gggtgataga accctggta
 attcagagta atctttcttt agaaaaactgg tgttttctaa agaaacagga taggagttt
 gagaaggcac caaagcttc actttggttt ggcaccagtt tctaaccatc tgttttct 120
 180
 240

acccttagcta tcttttattg gtaaaatata aatgtataat tatgtttgta gagctttacc	300
aaggagttc ctccttttt tgtttgttga ttagcaaatt tttgattctc cattttccaa	360
aagtaagaga ctccagcatg gccttctgtt tgcccccgag taaagtaact tccatataaa	420
atggtatttg aaagtgagag ttcatgacaa cagaccgttt tccatttcat ctgtattttta	480
tctccgtgac tccacttgc ggttt	505
<210> 73	
<211> 505	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (280)..(280)	
<223> n is a, c, g, or t	
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<221> misc_feature	
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<223> n is a, c, g, or t	
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<221> misc_feature	
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<223> n is a, c, g, or t	
<400> 73	
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tggatgatg ctgggtgaaa cctactatgc tgccagtcatt gtaaaagtat agcacacaca	120
attagtaggt aatgcttgca aataataatg aaagactctg ctactggttt atgtatttac	180
tatgctatac ttttgcatt tacttagag tgtactccta ctttttttt tttttttttt	240
gagatggagt ttcactcttg tcctgttaggc tggagcgaan tggcgcgatc tcggcttact	300
gcaacctcca cctcctgggt tcaagcgatt ctcctgcctc ancttcccag agtagctgag	360
attacaggca tgcaccgcca cgcacggta attttgtatt tttggtagag acagggttcc	420
accatgttgg ccaggctggt caccaactcc tgacctcagg tgacccgcct cctcacctcc	480
agagtgttgg gattacaggn gtgag	505

<210> 74
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (552)..(552)
 <223> n is a, c, g, or t

<400> 74	60
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gaatcaactg aaccgggag atggaggttg cagtgagcca agatcggtcc actgcactcc	180
agcctgtgtg acagaacaag actctgtctc aaaaaaaaaat aataataata ataataataaa	240
aaaggaataaa catagctagg aataaattta atcaaagagg tgaaagactt atacacttaa	300
aactacaaaaa aaaaaatcac tgaaggaatt atagacccaa ataaaaataaa ataaaaagac	360
attctgtgtt ttagggaaag aagacttaat attttaaga tgtcaataact acccaaagtg	420
atctacagat tcaacataat ccctatcaaa attccaacag cctactttgt agaaatggaa	480
aagccaattt tcaaattcag atggaattgc gaggggttct gaataacaaa acacaatctt	540
ggggaaaaaaa aacaaaaaac aaagtcaaag aactcacact tctctattta taatttacta	580
caaagttata gnatcaaagt cgacgcgcg cgatccgggc	

<210> 75
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 75	60
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aattatttat tgagaatatt catataaaaa ttacctaaag caaagtaaaa aaagtaaaaat	180
caaggtggta tatttgaagt gaatggtgat tgaaaatttt tagctgtac aaaaagaaaag	240
aaaacaacctt tttttaaagc ctcattctt tttctttcaa aatgtacctt attcccacac	300
actcttgggc tgacctttat ttatcaata agctcaatat tactttgttt aaaataagat	

gcttcagcaa aagtcatct ctcttaacc atataattt aaaaactcctc ttcacgattg	360
atagcaaaat cagaaacgtt agggcaccag tgagttgaaa aaactggtct taagttggaa	420
aaactattat taataatatt atcctatcca tccatatcta ttgaaattgt caggtccata	480
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<210> 76	
<211> 505	
<212> DNA	
<213> Homo sapiens	
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<221> misc_feature	
<222> (461)..(461)	
<223> n is a, c, g, or t	
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<221> misc_feature	
<222> (483)..(483)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (497)..(497)	
<223> n is a, c, g, or t	
<400> 76	
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actggtaccc cttttagatt ctatcaaaag gaacagggtt ttcctagagg caggcagcct	120
ggtggtatgg cacagcagaa gcttactgct aatgaaatgg gaacctcccc ctcccttg	180
gtttcagcac agaacctgaa tgccaggaaa aattcctggg ccaagaagct aaagctaaag	240
aaaccttcct ttttcaacg ttttttttc tttcaaactg tagggtcact tttgattgag	300
gcaaagggtt cctactgtaa gtggaaaaga ctcactcccc taacataagt tttcactgt	360
gtggatggt gccgcccgt atgcttgata tgctttcct tccacatgtt aagctaggaa	420
acctaacagg atgtcagcag ggcagttaac tctggactca nagccctcaa gggcatgtgg	480
canaacctca tggcatncaa gacca	505

<210> 77
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (567)..(567)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (575)..(575)
 <223> n is a, c, g, or t

<400> 77

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aagactaatg taattaagtg aggaaaagggt gctggaggaa ctggataacc acatggaaat	120
gtatgaacca tgacctctat gtcacatact atatataaaa cttaatttga ggtgtatcac	180
agagctaact gtgggggcta aaacgttcaa gccttggat ggccgcacaa gagatgtctg	240
cattcataac cttggggagg gtatgaacat ttcttgtaa catgaaaaaaaaa gcactaactg	300
taaaagagaa cagttggtca gttgaatttc atgaaacatt gtaaaacttct gctaaacaac	360
tgacaccatt aagaatgtgg aaaaaggctg ggcacagtgg ctcatgccta taatcccagc	420
attttggag gccggggcg gagaatcact tgaggccagg agtttggaaac cagcctggc	480
aacatggcaa gaccccgact ctacaaaaat attttaaaa attagttggg tgtggtgatg	540
cactcctgta gtccttagctg ccaggangct aaggnggaag gatcacttaa ccctgg	596

<210> 78
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 78

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aagacaagga gggtatccca cctgaccaggc agcgtctgat atttgccggc aaacagctgg	180

aggatggccg cactctctca gactacaaca tccagaaaaga gtccaccctg cacctggtgt 240
tgcgccctgcg aggtggcatt attgagcatt ctctccgcca gcttgcggcag aaataacaact 300
gcgacaagat gatctgccgc aagtgtatg ctgcgcctca ccctcggtct gtcaactgcc 360
gcaagaagaa gtgtggtcac accaacaacc tgctcccaa gaagaaggtc aaataaggtt 420
gttcttcct tgaagggcag cctcctgccc aggccccgtg gccctggagc ctcataaaag 480
tgtcccttc attgactgga gcag 504

<210> 79
<211> 564
<212> DNA
<213> Homo sapiens

<400> 79
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ctcttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata gtttactaag 120
atattgctt aacgttgcgtt tttaatagc ttaagatttt aagagaaaaat 180
atgaagactt agaagagtag catgaggaag gaaaagataa aaggttctt aAACATGACG 240
gaggttgaga tgaagcttct tcattggagta aaaaatgtat ttAAAAGAAA attgagagaa 300
aggactacag agccccgaat taataccaat agaaggcata tgctttttaga ttAAAATGAA 360
ggtgacttaa acagcttaaa gtttagtttta aaagttgttag gtgattttttttaatttgaag 420
gcgatctttt aaaaagagat taaaccgaag gtgattttttttaaaatggaa tccatgacgc 480
agggagaatt gcgtcattta aagccttagtt aacgcattta ctaaacgcag accaaaatgg 540
aaagattaat tgggagtggt agga 564

<210> 80
<211> 270
<212> DNA
<213> Homo sapiens

<400> 80
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tgcaaaattt tttaatctt cgcccttaata cttttttatt ttgttttttatt ttgaatgtttt 120

agccttcgtg cccccccttc cccctttttt gtcccccaac ttgagatgta tgaaggctt 180
tggctccct gggagtgggt ggaggcagcc agggcttacc tgtacactga cttagacca 240
gttgaataaa agtgcacacc ttataaaaaa 270

<210> 81
<211> 268
<212> DNA
<213> Homo sapiens

<400> 81
cccgaaatcg cggccgcgtc gacgggaggt gatagcattt ctttcgtgta aattatgtaa 60
tgcaaaaattt tttaatctt cgccctaata ctttttatt ttgtttatt ttgaatgatg 120
agccttcgtg cccccccttc cccctttttt gtcccccaac ttgagatgta tgaaggctt 180
tggctccct gggagtgggt ggaggcagcc agggcttacc tgtacactga cttagacca 240
gttgaataaa agtgcacacc ttataaaaaa 268

<210> 82
<211> 334
<212> DNA
<213> Homo sapiens

<400> 82
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gaaatttagt agaagagggaa aaaggaggta atgtaacaaa ttatTTTAC tacaaacccc 120
ggtaatagag cacttggggg atggatggg gtgggttgtt gagacaatca gaatggtaaa 180
ttgattaaat gctcctaacc ctgttaatttt gtgcatacgg caccatgc tgtggaaata 240
actgttctta gatttcatttga taactggact gttcaggttg cccagaggaa aagaacattc 300
ctaattctaa taaaataaac ttttattttt tttt 334

<210> 83
<211> 675
<212> DNA
<213> Homo sapiens

<400> 83

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cctctctgag aaacataaga gacaatgagg aaaaggattc agcattccgt ggaatttgtt	120
ccatgatcag tgtgaatccc agtggcgtaa tccaagtaag atgttcacaa agattttgtt	180
ttaatgtcta attaataaaaa ttttaaagga agaaacattc taatacttta attataaaaa	240
gttaactatt ttcaaaggta tcaaaataca gttaaacctt taaaatgtat atttcttaat	300
atcttgcatt tgtaatgcct ttttttttc ctaaattttt tttgtcatga aatgagatag	360
taacagcaga ttgggacaac aaggttatat tcttgtcttg aatcaggcca tggcttctt	420
catccaaatt tcagacctca tttatTTTact ttgtccctgc ctccccatccc tggatatcag	480
tttggata tctacagtta atagagtgc acaaatagtag gaataactgtc tctctattct	540
gaataaaaatc tttgaatcag atttagaaat aatgaataaa atacaaatca gccattgaaa	600
ttgctctaattttgagact tatgattttat tcatcttgg tttccaagtt caagtttat	660
gttagacattt taatt	675

<210> 84
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (223)..(223)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (297)..(297)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (302)..(302)
 <223> n is a, c, g, or t

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<220>
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<222> (337)..(337)
<223> n is a, c, g, or t

<400> 84
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gtgtggccag ggccgcgcag cctgcttcc ttccctgcag caggaaccct tctggggctg      120
tgatcctgcg atggcgcctg ggtgggagtg ggggtgggg gcgggatggt ctccctacct      180
gccagcttct tggtttgagg tgaggacagc cccggaagct canacttggc tcctgtccat      240
gtacttgggg ccatgagctc tgcaggacc ttggaaagan agagacgggt ggtgtanggc      300
angggaaaggc attgtctitca aacaggaaaa agctganaat ggaaacagggc gaaacttacc      360
aagtgttaaca tcacactggaa ctgaaggagg gtgggaaggt ttaattatt taaaaatag      420
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cttct                                485

<210> 85
<211> 387
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)..(9)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (94)..(94)

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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (105)..(105)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (152)..(152)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (169)..(169)

<223> n is a, c, g, or t

<400> 85

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aggaaccgca ctcaggagcc acactctccc actncccttg cccanaagac tcacagaggg 120

cacggagctg gctgtggta gaggaggtcc ancaaattcc tgtctgcana agggttctga 180

acaccaccgc ctggcagcgt gctggaggag ggattcctct tttcctcaca gcaattctga 240

ccagaaacct gtcaaatcag gaatggctaa aataagacca gggtatgaat gaccatcagc 300

cacagtaaaa ccaaggcaca gctctcctga gcccacccaa gctgctgtgg cccagactgg 360

tgacatcacc tcagggcaaa aaaaaaa 387

<210> 86

<211> 420

<212> DNA

<213> Homo sapiens

<400> 86

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aagaagcgtg cacctcgggc actcaaagag attcgaaat ttgccatgaa ggagatggaa 180

actccagatg tgcgcatatga caccaggctc aacaaagctg tctggccaa aggaataagg 240

aatgtgccat accgaatccg tgtcggtctg tccagaaaac gtaatgagga tgaagattca 300

ccaaataagc tatatacttt gtttacctat gtacctgtta ccacttcaa aaatctacag 360

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<210> 87

<211> 675

<212> DNA

<213> Homo sapiens

<400> 87

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tttttgttta atgcaaaaat gttaacaatg ttttatcatgt gttagaagtaa aagatcgta 180

aacagcacag agaacagtag taagacagat tgaattgcac tggtgtttaa tgatgaactt 240

acaatattaa gtgaaggtag actgtgatag attaaggata tatattgtaa tccctagac 300

aattgtcaaa gtggcacagg taaaaagcca atagaggtga taaaatggaa tactaaaaaa 360

tatcagatga ataataaaaga agacaggaaa tgaggaacag tggaacagaa tgaataaaaa 420

acaagaccat taacttaatc attaataatt actttaaatg ggttaaacat tatggttata 480

aggcagagat ttccagacta gataaaagag caagctccac tatatactgt ctacaagaga 540

tatactttaa agtgttatatt atattttaaat ataaaagattt ggaataaaata aacctaagaa 600

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<210> 88

<211> 594

<212> DNA

<213> Homo sapiens

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<223> n is a, c, g, or t

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 ctaacagtgt tgcatgtttaa gtggaggcct catagatacc tggccttttc ctaccttatt 180
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 ttgtaatgtc attatttcct cttaaataaa tcaggacaac tcatacgataca aagagctctt 300
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 atcttctaca gaaagatgga tttcattttc aacattaaga ggttagttta agaagcagta 420
 gaagtcagcc tggcagcat ggtgaaaccc cgtctctaca aaaaagttttag ctgggcttag 480
 tagttgcaat cccagctact ctggaggctg aggttggaga tcatacgatca ctggggaggt 540
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<210> 89
 <211> 530
 <212> DNA
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 gaacaaagca cctaagatgc gccggccggac ctacagagct catggtcgga ttaaccata 360
 catgagctct ccctgccaca ttgagatgtat cttacggaa aaggaacaga ttgttcctaa 420
 accagaagag gaggttgccc agaagaaaaa gatatcccag aagaaactga agaaacaaaa 480

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<213>	Homo sapiens					
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gaacagatga	ccttgcttg	gatgttcca	aacttaatgg	cccagttaca	atgctcaaatt	180
gccaccacct	aaaaggcaac	caactctggg	agtatgaccc	agtgaaattta	accctgcagc	240
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gcttcagcaa	aagtcaattct	ctctttaacc	atataattta	aaaactcctc	ttcacgattg	360
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aaactattat	taataatatt	atcctatcca	tccatatcta	ttgaaattgt	caggtccata	480
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<210>	92					

<211> 619
<212> DNA
<213> Homo sapiens

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gactacagag ccccgaatta ataccaatag aaggcaatg ctttagatt aaaatgaagg 360
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gatctttaa aaagagatta aaccgaaggt gattaaaaga cttgaaatc catgacgcag 480
ggagaattgc gtcatttaaa gcctagttaa cgcatcttact aaacgcagac gaaaatggaa 540
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<210> 93
<211> 131
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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131
aaaaaananc a

<210> 94
<211> 607
<212> DNA
<213> Homo sapiens

<400> 94
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<210> 95
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 <223> n is a, c, g, or t

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 cttccactct ttgcacccct ttgctgatgc aagtaagggt gatgacctgc ttccctgctgg 240
 cactgaggat tatatccata taagaattca acagagaaac ggcaggaaga cccttactac 300
 tgtccaaggg atcgctgatg attacgataa aaagaaaacta gtgaaggcgt ttaagaaaa 360
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 cttgcaatg agtagaattt cccttcctcc cttgtcacag gttaaaaaac ctcacagctt 600
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<210> 96
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<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagccagttc tgcttctcg  caaggagcga tttgctggtg tagacatccg tgtccgtgta      180
aagggtggtg gtcacgtggc ccanattat gctatccgtc agtccatctc caaagccctg      240
gtggcctatt accanaaata tgtggatgag gcttccaaga aggagatcaa agacatccctc      300
atccagtagt accggaccct gctggtagct gaccctcgac gctgcgagtc caaaaagttt      360
ggaggccctg gtgcccgcgc tcgctaccag aaatcctacc gataagccca tcgtgactca      420
aaactcaactt gtataataaa cagttttga gggattttaa aa                         462

<210> 97
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (519)..(519)
<223> n is a, c, g, or t

<400> 97
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ctcttaaaaa aaaaaaaaaaa aaaaggaaga agagacatga gagggcccaa gtcacttgct	120
cactcacttt ccgtgtacat gtaccaagaa aaggccatgt gggaaagagc aagaaggcag	180
ccgccttcaa gacaggaaga gagccctcac cagaaactga gccagaacct tggaattcca	240
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agtttttag actttggaa tcagagcagt cagttgtcag atttagctt acagttgtcc	420
tacctgtgca actgaaattt cttccatttt aaaccagagc agagtttag agtcaaaaga	480
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<210> 98
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 <223> n is a, c, g, or t

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tatgcgttg tagttgata tggatattt ataagtagtt ttagcttcc attatgaatt	240
cttcttgac ccatgagttt ttaggtaag tggaaaaaa ttacaatag ttatataatg	300
caaatttat gtttagag ttggtttca tgtcatttt acatatacag gggcagttc	360
cccaactaaa ttgtatattc cttaaagcag cactctaaa ttttatttct gtgtcaattt	420
cttgnctgtg ttccctggca tggatatacat ggcataaaat ttgttatgtt attaaatgaa	480
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<210> 99

<211> 577
<212> DNA
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<223> n is a, c, g, or t

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gaactcccgaa cctcaggta tctgcctgcc tcagtcctccc aaagtccctgg aaccacagac 240
atgagccacc acgcctggcc ccttttaaaa tatttctgct cattgatgat gcacccagtc 300
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caacattcat tctgcaaccc ccaaataaag aagtaatttt gactttcaag tcttatttt 420
taagaaatat atttgcaag actatagctg ccatagaccg tgattcctct gatggatcag 480
acaaaactaaa atgaaaaacct cctgcaacgt attcatcatt ctagatccct gaggaatcgc 540
cacactgact tncacaatgg gtgaactggg ttacagt 577

<210> 100
<211> 552
<212> DNA
<213> Homo sapiens

<400> 100
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gaccatccat cgctgtattc aaatggatttgc ttttattccat ttctggctc aggcatgacc 180
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tcctcatcca tggagtgctg tgtttgggg gctgcattcg ctgaaggcag aaccccaattc	420
tgccacccca ccaggatgcc cattctccag gacttctcca acttactatt agactaaacc	480
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gttggtattt ttgcttattt aatactatag aaatatggtg atctcatctt taatagagtg	180
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<211> 341
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tccaagtgtctttttagtgt ggcttttagta tggcttcttt ttaatattgn acatacattg 240
natctttgtttttatggnaaatgtaataaa aatgttagact tcatatttttg tacaaaatgt 300

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341

<210> 103
<211> 647
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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aaaaaataat	aataataata	ataataaaaa	ggaataacat	agcttaggaat	aaatttaatc	300
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gttaagatgt	caatactacc	caaagtgatc	tacagattca	acataatccc	tatcaaaatt	480
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gggtntgaa	taacaaaaca	cnatcttggg	gaaaaaaaaac	aaaaaaacaaa	gtcaaagaac	600
tcacacttct	ntatttataa	atttactaca	aagttatagt	aatcnaa		647

<210> 104
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 104	104					
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aaatgcccag	gatgctataa	aatcaccacg	gtcttagcc	atgcacaaac	ggtagtttg	180
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<210> 105
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 105	105					
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cgcattatcc	tcctgagtag	ctgagactac	aggtgcac	caccatacac	tactaaattt	120
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cccaggctgg tcttgaactc ctgggctcaa gcagtcaccc acctcagcct cccaaagcac 240
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gggctccatg ttggcagtcc tactccaat taacctgggg ctgtctgggtt aacctttata 420
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ggaaagtgga tgggtggcca aagg 504

<210> 106
<211> 582
<212> DNA
<213> Homo sapiens

<400> 106
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atgggtttaa agactgaaaa tggatcaata gaaactttga aaatgttaac atcttgattg 240
cttttctcag tgttagaaatg gacaatgttt agcttaaaaa ctgcattgtt ttaatgagat 300
acgggggttga aagacttatt cctggaattt attgttctgg agaaagcctg ttgctatctg 360
ccataccttg gtttactttg tgcaaaatga gcttctttt aagtaatgag ctctttccat 420
gttcagctta aattgctgtc ttagacactt catcagggtt ccctgctctg cctcattccc 480
cctttgctc acttgcagcc tttgacataa tcctggagg caattggcat catacatatt 540
ttgctttgtta atctcctgct ttgattctga ctgggaccca gc 582

<210> 107
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (708)..(708)
<223> n is a, c, g, or t

<400> 107
 ggatctaaga ccagcctggc agccaccaga tggtgattct agtcctggct cagtcagtaa 60
 taggtcactg accccagaga aatcaattca gcctccccag gtccttggat ttctttctgt 120
 gaaaatgaaa gcataggtag gaatttccca tggaacagct agcagaggag aaatattaaa 180
 agtcaggaga ctcatgctat agtttcata cttcattaca acaatgttgt ttaggacaag 240
 tgagttaacc tggtagcttc ctctatataa aatggaaagt cattaaaaac ctacatagca 300
 gggttcttgtt gaagatcaag tgataatgta ggaagcatgt acaaatgtca cattctgcgg 360
 tcacgtaatg gtcctcacag cttgaggtag catttagcat gtgtcatgtat tttagtacaag 420
 ggttggcaaa ctgttgctct tggattaagt ctggctcatt gcctgtttt caaagaaaaa 480
 aattgtatat gtgtgtatat atgttatata taggtacaca cacatatgtg ctatata>tag 540
 catatataca cacataaatat ataaacatgt acatata>tag cattatataat ataccgtgta 600
 taatatctcc agtcctcatg accagccatg cttgttcatt tacatttgca tactctatga 660
 ttgcttcatt gcaacaatgg cagagttgag tgattgtttt gcacaganac tgtatggccc 720
 actaaaccta aaatattaat ctctgcc 747

<210> 108
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 108
 ctccctgcccgg gtcgtggcg gcttctgtcc gctccgcggg gggaaagcgcc ttccccacag 60
 gacatcaatg caagcttgaa taagaaaaac aaattcttcc tcctaagcca tggcatatca 120
 gttatacaga aatactactt tggaaacacag tcttcaggag agcctagatg agtcataca 180
 gtctcaacag atcaccffff aacttgcctt tcaagttcta cttcagttt ataaggctat 240
 aaatgcagca ctggctcaga gggtcaggaa cagagtcaat ttcaggggct ctctaaatac 300
 gtacagattc tgcgataatg tgtggacttt tgtactgaat gatgttgaat tcagagaggt 360
 gacagaacctt attaaagtgg ataaagtgg aattgttagcc tgtgtatggta aaaatactgg 420
 ctccaataact acagaatggaa tagaaaaat atgactttt tacaccatct tctgttattc 480

attgctttg aagagaagca tagaagagac ttttattta tt 522

<210> 109
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<400> 109
tgccactgaa gatcctggtg tcgccatggg ccgcgcgcgc gcccgttaccgttattg 60
taagaacaag ccgtacccaa agtctcgctt ctgccgaggt gtccctgatg ccaagattcg 120
cattttgac ctggggcgga aaaaggcaaa agtggatgag tttccgctt gtggccacat 180
ggtgtcagat gaatatgagc agctgtcctc tgaagccctg gaggctgccc gaatttgc 240
caataagtac atggtaaaaa gttgtggcaa agatggcttc catatccggg tgccggctcca 300
cccccttccac gtcatccgca tcaacaagat gttgtcctgt gctggggctg acaggctcca 360
aacaggcatg cgaggtgcct ttggaaagcc ccagggact gtggccaggg ttcacattgg 420
ccaagttatc atgtccatcc gcaccaagct gcagaacaag gagcatgtga ttgaggccct 480
gcmcagggcc aagttcaagt ttctggccgc agaagatcca catctcaaag aagtggggct 540
tcaccaagtt caatgctgat gaatttgaag acatgggtggc tgaaaagcgg ctcatccan 600
atggctgtgg ggtcaagtac atccccatc gtggccctct ggacaagtgg cggccctgca 660
ctcatgaagg ctttcaatgt gc 682

<210> 110
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (616)..(616)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (635)..(635)

<223> n is a, c, g, or t

<400> 110

tcccggaatc gcggccgcgt cgacacctgtc cttgagcgtc aaccttctt ccctgaagtg 60
gctggggttc ctgttccctt ctttgattga caacttgtgt taaccctcgc acatctctgg 120
gccaattttt gcttgtaagt ctttccggag acccctggaa tttaaatcat tagcaccgcg 180
cccttccccg aagagtcttc gaagggttgc cgctttcgg tggcgcaattt ctcgcgagaa 240
ggtgactttc tttctcggtt tttcctgggtt tccagaatcc ttagcgcgag gcggaaaaaa 300
tatttctccc agcttgtgtt gatgccgcga ttttgactga gacttcttcc cacgatttct 360
gttttgctt ctccaaggaa aatggcagct cccgagcagc cgcttgcgat atcaaggggaa 420
tgcacgagct cctcctcgct ttccccgcct cggggcgacc gaacccttct ggtcaggcac 480
ctgcccggctg agcttactgc tgaggagaaa gaggacttgc tgaagtactt cggggctcag 540
tctgtgcggg tcctgtcaga taaggggcga ctgaaacata cagctttgc cacattccct 600
aatgaaaaag cagctntaaa ggcattgaca aactncatca actgaaactt ttagtcatac 660
tttaatcg 668

<210> 111

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (452)..(452)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (529)..(529)

<223> n is a, c, g, or t

<400> 111

cagagatcaa aataggcctt acacagtgcg acgcgaattt aaaagattac cccattcagg 60
tgtatggatt ttgcagtatt aaagatgctg cctgaaatag gtcattatct tctccaagta 120
ctctgttaag tcaatgagtc acatagagta taaggtttat tatctgcttt tctttcatta 180
aataaatctt tattgaattt ctactacatt aaaaaaccaa accaaaacaa aacaaacaaa 240
aaaaacacctt ccctgagcca taaaggagaa ggtagtttg actggaacct tgaaggatgg 300
gtaaaacttc agcagataaa gattgagaga agaccttcca ggtagagaaa gcagtgtggg 360
cacaggcaaa gatggaagaa cacacgtggc tgtggaaac acagctagaa gccagtgcgg 420
atagagagta ggctatgatg tgcaaagggtt anacactggg agagacaggt ccatgagagt 480
agcttggact aacacagggaa gggtttgaa tcccaactgg ggaacctana aatcaa 536

<210> 112
<211> 368
<212> DNA
<213> Homo sapiens

<400> 112
taggaggctt attcaactgat ttcccctatt ctcaggctac accctagacc aaacctacgc 60
caaaatccat ttcactatca tattcatcg cgtaaatcta actttcttcc cacaacactt 120
tctcggccta tccggaatgc cccgacgtta ctcggactac cccgatgcat acaccacatg 180
aaacatccta tcatactgttag gtcattcat ttctctaaca gcagtaatat taataattt 240
catgatttga gaagccttcg ctgcgaagcg aaaagtccctaa atagtagaag aaccctccat 300
aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aaccctgtata 360
cataaaaat 368

<210> 113
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<400> 113
tctttatcaa gttgagaaag ttcctccct ctattcctag tttgctaaga gtccttctat      60
cctatttctt aatggtttag tagatgactc tgtggtaactt tgaagggtgt ttgcagaatt     120
tccatgccat aggcaattta ccttccttg acattgaag gattgatgtt ggtgccaagt     180
atagaatctt cacagagtcc tcctgttagct tctaaagggtt tagcttgaaa atgttaattg     240
cttaacgcta gtaagtgagt gaaaaagctg gggataaatt ttgtatcttg cttatatttc     300
agttcccacc tctgtccnga cnaaacccccc atatataa                         338

<210> 114
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<400> 114
tagttacat atcccaacct ttaaaaatat tcctcttatt agctttatat tcactttata      60
gaagttgagt tttaattaaa attcttggca tcctgaagta tgtcacatag catgtgctcc     120

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ttataaatat gttgatatct cagaagacag catcccggtt ttcatttat aaagtaccat 180
acttaagaat gctgtaatac ttatcttta taacatgttt ctttcgcgtt gcttgnctt 240
tatgnatca gtttaactg ttacttcat ttaacagnnt acatcatnca acagtttact 300
tcattaaaca gtaggtggaa aaatagatgc cagtctatga aaatcttccc atctatatca 360
aaatactttc aaggatatac ttt 383

<210> 115
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (586)..(586)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (610)..(610)
<223> n is a, c, g, or t

<400> 115
cgacttcaa ccatcaagtg aggaataacct tcacataact gagcctccct ctatctcc 60
tgacacaaaa ttagaacctt cagaagatga tggtaaacct gagttattag aagaaatgga 120
agcttctccc acagaactta ttgctgtgga aggaactgag attctccaag attccaaaa 180
caaaacctat ggtcaagttt ctggagaagc aatcaagatg tttcccacca taaaacacc 240
tgaggctgga actgttatta caactgccga tgaaattgaa ttagaagggtg ctacacagt 300
gccacactct acttctgctt ctgccaccta tgggtcgag gcaggtgtgg tgccttgct 360
aagtccacag acttctgaga ggcccacgct ttcttcttct ccagaataa accctgaaac 420
tcaaggcagct ttaatcagag ggcaggattc cacgatagca gcatcagaac agcaagtggc 480
agcgagaatt cttgattcca atgatcaggc aacagtaaac cctgtggaat ttaatactga 540
gggtgcaaca cccatttc cttctggag acttctaattg aaacanattt cctgattggc 600
attaatgaan agtca 615

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<210> 116
<211> 161
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<400> 116
gattttaaa aatacatata gcaaaaatat tacagggtca ggggagacaa ttagaatgat      60
ataattcaaa gtggattaaa aaaaaaaactg tcacccagaa tacaatacc agcaaagttg      120
tccttcataaa atgaaagaaaa aatnnaaatct ttnccnaacn a                         161

<210> 117
<211> 28
<212> DNA
<213> Homo sapiens

<400> 117
tccccggaaat ctgcaggatc cgtcgact                                28

<210> 118
<211> 258
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 118
gacagtgcc  agggctctga tatgtctntc acancttyna aagtgtgaga cagctgcctt      60
gtgtggact  gaaaggcaag atttgttctt gcccttccct ttgtgacttg aagaaccctg      120
actttgttcc tgcaaaggca cctgcatgtg tctgtgttct tgttaggcata atgtgaggag      180
gtgggganac cacccccaccc ccatgtccac catgaccctc ttnccacnct nacctgtgct      240

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258

ccctccccaa tcatnttt

<210> 119
<211> 694
<212> DNA
<213> *Homo sapiens*

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<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (666)..(666)
<223> n is a, c, g, or t
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<400> 119
tgggcttgg gctggctgca gtctgtctga gggcggccga agtggctggc tcatttaaga 60
tgaggcttct gctgcttctc ctagnnnccgg cgtctgcgat ggtccggagc gaggcctcg 120
ccaaatctggg cggcgtgccc agcaagagat taaagatgca gtacgccacg gggccgctgc 180
tcaagttcca gatttgtgtt tcctgaggtt ataggcgggt gttttagggag tacatgcggg 240
ttatttagcca gcggtaccca gacatccgca ttgaaggaga gaattacctc cctcaacc 300
tatatagaca catagcatct ttccctgtcag tcttcaaact agtattaata ggcttaataa 360
ttgttggcaa ggatcctttt gctttcttg gcatgcaagc tccttagcatc tggcagtggg 420
gccaagaaaa taaggtttat gcatgtatga tggttttctt cttgagcaac atgattgaga 480
accagtgtat gtcaacaggt gcatttgaga taactttaaa tgatgtaccc gtgtggct 540
agcttggaaatc tggtcacccctt ccatccatgc aacaacttgt tcaaattctt gacaatgaaa 600
tgaaactcaa tgtgcataatg ggattcaatc cccaccatcg atcatagcac cccctatcag 660
cactqnaaac tcttttgcataatg taaggatca ttgc 694

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<210> 120  
<211> 337  
<212> DNA  
<213> Homo sapiens
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<400> 120
 ggcagcgcgg ggagcccg tc ggcgcggc ggccggccgg tttcgaagtt gatgcaatcg 60
 gtttaaacat ggctgaacgc gtgtgtacac gggactgacg caacccacgt gtaactgtca 120
 gccgggcccct gagtaatcgc ttaaagatgt tcctacggc ttgttgctgt tgatgtttg 180
 ttttgttttgc ttttttggc ttataaaaaaa taatctattt ctatgagaaa 240
 agaggcgtct gtatattttg ggaatcttt ccgtttcaag cattaagaac acttttaata 300
 aactttttt tgataatggc taaaaaaaaaaa aaaaaaaaaa 337

<210> 121
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 121
 cataataaaaa aacaatcaac aaacagggaa tggaaagaaa cttcctcagc atggtaagg 60
 ccacatatga aaatcccaca gctaacatca tactcaatga tgaaagactg aaagctttc 120
 tcctgagatc aggaacaaga caaagatgtc acctttgtc acttctattc aactcattat 180
 tggaagttt tgccagagca attaggtaag 210

<210> 122
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 122
 cagaatcttt tcataaggctg aatgttgctc cacaatgtgt ccttgacta tctctggcta 60
 attattattt taatcttttc tcagcttttc caagaacata acgttaacca aagatcttag 120
 gccattcaca actctttgt aaaaattaat gtggatgtga aacgaggcaa caaatcctga 180
 agtagaaaatg tattcctggc caggcacgt ggctcacgcc tgtaatcctg gcactttgg 240
 aggccgaggt gggtgatca tgaggacagg agatcgagac catcctggcc aacatgatga 300
 aaccccatct ctactaaaat acaaaaaatt agctggcat ggtgacgcgt gcctgttagtc 360
 ccagttactc gggaggctga ggcaggggaa ttgcttgaac ctcggaggtg ggaggttgca 420
 gtgtgccgag atcacgctac tgcactccag cctggcaaca gagcaagact ccatct 476

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<210> 123
<211> 250
<212> DNA
<213> Homo sapiens

<400> 123
aaacagaaaag tttcttctaa aggcattgatt cagtttaagt attcttaagt gttaaaaaat      60
tgtgaaaaat gtgcctgtaa tcccaacact ttggggaggcc gaggcaggca gatcacgagg      120
tcaggagatc aagaccatcc tggctaacaa ggtgaaaccc cgtctctacg aaaaatacca      180
aaaacattag ccgggcgtgg ttgtgggcmc ctgttagtccc agctacttga gaggctgagg      240
caggagaatg                                         250

<210> 124
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 124
ttcttggat attgatgact actgtctgag aggtgctgtg gggagatttt caggatttg      60
tggctttga ggggggtgtt ttttaagac aacattgacc actgtccact gtccacatga      120

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tcattgtaaa attgcaatgc cgcatgctag ttggttacat aagacataat tccagtgatt 180
gaagggtggtt acactgtatg gtggtgtgtt caagatggca ctggcatctt tgagcagagc 240
ctggctatgc agcatcattt gagttttta aacaccctan aggtctggtt gttgttgctg 300
ttgtcccttc ctgtgaaagt cacaananaa gttacagtcc aggtgaacct ggagttata 360
ggttggttt gtttctgnra tatatatata tatatatatt ttttttttt tttaacattt 420
acctgttagtg ctgttagctgt tgatactatc acctgcatgc tatttcttagt gagtgctaaa 480
tacagtatgg tccaatgaca ataacagccc atggtaactgc cag 523

<210> 125
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 125
catcagtctg ttatccatgc tgactttccg aagacttgca gctactgcat tgatatctt 60
cctgccaata agcaaagtgt tgaacacttc aaaaaatatt ttactgaggc aggcttgaaa 120
gagcttcag aatatgttcg gaatcagcaa accatcgag ctcgtaagga gctccagaaa 180
gaacttcaag aacagatgtc ccgtgggtat ccatttaagg atataatttt atatgtcaag 240
gaggagatga aaaaaaaacaa catcccagag ccagttgtca tcggaatagt ctggtaagt 300
gtaatgagca ctgtggaatg gaacaaaaaaaaa gaggagctt tagcagagca agccatcaag 360
cacttgaagc aatacagccc tctacttgct gcctttacta ctcaaggtca gtctgagctg 420
actctgttac tgaagattag ggagtattgc tatgacaaca ttcatttcat gaaaggccttc 480
canaaaa 487

<210> 126
<211> 274
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<400> 126
cacacttca tgataaaaaac agaacctagg aatgaaaaga aattatagca acataataaa      60
gaccatatat gagaagccca cagctaacat actgtatggt gaaaaactga aagctttcc      120
tctaagatca ggaacaaggc aaggatgccc attcttgcca cttctatcga acgttagtact      180
ggaagcccta gccagaacaa cttaggcaata gaaagaaaatt aaaggcatcc atntcagaaa      240
ggaagaanca aaatgctgtc tgtttaanat gaca                                274

<210> 127
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<400> 127
tttctatana aaaaaatttt ttaaaataat tgtaaagtta gattttaaaat tgtaaaatat      60
aaaatcacaa aggaatgtac ccaataaaaat gtaaatgcnc cataaaaaaa aaaaaaaaaaa      120

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aaaaaaaaaa

<210> 128
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<400> 128	60
cgntaacgtg caatccgccc cacgccagca aactggacaa actccgggat ctcatcgaag	60
cgatttagca ccagtaccag agtaataccg gactgatgta acgaggcgag tcgctcatcc	120
agcttgctga cgtgaggcaa catccaggcc atcgaacggn tcatcaagaa tcaacaagtc	180
aggctccgac atcagcgcct gacacagcag ggttttcgc gtctgccag tggaaaggta	240
tttaaagcgt cngtcgagga gggcggtaat accgaactgc tgccgcagtt gcatgcaacg	300
cggtgtcatcc tttacttcat cctgaatgat ctccgcgtt gtgcgtccgg tgccatcttc	360
gccaggggccg agcatatcgg tggttattccg ctgccattcg tcgctgacga gttttgcaa	420
ttgctcgaag gagagacgag tgatgtggaa aaactggctt tgccgttcac ctttcaaaag	480
cgggaagttc ccccgccagc gcgccggcca gggccccat	519

<210> 129
<211> 272
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (31)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
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<222> (121)..(121)
<223> n is a, c, g, or t

<220>
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<222> (135)..(135)
<223> n is a, c, g, or t

<220>
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<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 129
ttttttttt ttattctatt aaaaaatgtt nntgaaaaaaaa gataacttaaa ttttaaagat      60
aactnaattc ctaangattt aaaataatcc aagcagagat gaaagancaa atgcaaatgc      120

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ntaaaaagac cccanagcat tggtagcaaa aagcaaatat agtttagccaa gcataatat	180
ntcataaaaag caataanaag gcntaaagca agtttgggga gagcttattt aaaacttgta	240
aaaatcattt gaattttaa aagtttcaa ac	272
<210> 130	
<211> 551	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (144)..(144)	
<223> n is a, c, g, or t	
<220>	
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<222> (148)..(148)	
<223> n is a, c, g, or t	
<220>	
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<222> (153)..(153)	
<223> n is a, c, g, or t	
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<223> n is a, c, g, or t	
<220>	
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<222> (174)..(174)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (369)..(369)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (401)..(401)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	

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<222> (449)..(449)
<223> n is a, c, g, or t

<400> 130
tttggAACAC aaAGTTCCCT tttTAGAAGA ATAGGTATTG AGCCCTTGAG CGTGGGTAGA      60
aAGATAGAGA CAGAGTGATT TGCAAAATAA TGGAGGATCA TATTTATATA TGAATTTC          120
CTTATTGAA CTTCAGATA TCANCTTNAA AANCTTGTT TTAAGTAAAG TNTNTTAATG          180
AGACTCCTG GATGAAAGTA ACCAAAACCA GTAAAAATAA GGTAATAAGG ATGTAATAGT          240
TTCTTATGGA CACTCAACAG CTAGAATGCA GTTAGTCTCA GAAAAGAATT AGAACAAATA          300
ACTGGAAGGC CATCAGGAGT CCAAAACCAT CACTTTTA TATTTATAT TTTATTTTC          360
TCTCTTCANA TGAGCATTCT CTTCTATGT CCAATGGTA NAAGGCGGCA GCTCCATAGA          420
TTATGGCTTC AGATGTTACA GTTCCGCTNA ATGCAGGGAC AGACTTGCTA TCTTCAGTC          480
CCCTTACATA TCCTGGGAG AGAGCAAATG ATTGACTGGC TTGAGTCAGG TGCCC GTTCC          540
CTTCCAATC T                                         551

<210> 131
<211> 224
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 131
gtttgnntgt gaccatctgt acttgtaatt tctttacntt cattggatg aaaaatatgt      60
tcttagaaggc angaaaaaga attcagnntt gctttgtata ctaaattaaa tgctgttaatt    120
ttgataaaat gaaaaatctg ctttatttgc aacaatttgt ttcttccttg acgtcagcct      180
cactcttggc ctgggtatt cagccngnca cccctgggaa ttcc                           224

<210> 132
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 132
gtgcctccct gtgtgagtag cctaagggtgc attaaaaag actgggatgt gttttatTTT      60
tttgtattAG atagcattAA ctttactgtt gaagtatttt tggtggagta ttagtgacAA    120
gccattgagt cttaaggcTT acggcttccT ataaaatcac taatttcgtg tgtgtttgtg      180
tgttaggttAC gtttatATAA ggattcgtgt tcggcggtgg ggccgaaaAC gcccagttcc    240
taagggtgCA acttacggCA agcctgtCCA tcattgggttt aaccagctAA agtttgctCG      300
aagccttcAG tccgttgcAG aggancgAGC tggacnccCT ggggggctC                           349

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<210> 133
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (557)..(557)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (605)..(605)
<223> n is a, c, g, or t

<400> 133
ttaacagctg catagagttt taaaagtaca ttatatttg tcagacaagt aaaatatctg      60
ttttcacgc aaaaaaaagcc atgaaatacg taattttta aagacaaaaaa atcatcttt      120
gagtttgctc tttgggtttt cttcattcct tttgaggatt gggaaaacag aaagattctt      180
tgatttgggt aatgaagagg taatttggga cagtggttg gtaccaggaa gaaagaggat      240
tggaaaggcc agtactgtt tagtgctcg gcactgttg ttttgttta atgtgggtgc      300
cctgtccact acatggttct atcagtagtg taatccattt tcaatgtaaa gctcttttag      360
tttttgtcat agacataaat taatatttg agaggcatcc ctcacctgtt catttcttct      420
gtgttggaaat gaagtactta aaattaccgt tatacatgaa ctttggac tgtaagattt      480
gttatatatg ttcaaatgcc ttttagctgg cttttaatt aatatgcctg ttttgagtgc      540
ttaataacaat gtaatgngga ttgtaaatca tacctattt aaatcattcc ttcctgtata      600
tttgnactca gagagccta ttttattctt ccagc                                635

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<210> 134
<211> 382
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (193)..(193)

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<400> 134
ttttcttaga acttttatttt ttctggccag gcgcagtggc tcacacctgt aatcccagca      60
ctttgggagg ccaaggcagg tcgatcacct gaggtcagga gctcaagacc agcctggcca      120
acatggtgaa accctgtctc tactaaaaat acaaaaatta gctggcggtg gtggcgcatg      180
cctgtaatcc canctactca ggaggctgag gcaggagaat tgtttgaacc cgggaggcgg      240
aggttgcant gagccgagat tgcgccactg cactccagcc tgggcaacag agcgaaactc      300
catctcaaaa aaaaaaaaaaa aaaacaacct ttatTTTtc tgattttaaa agtaataact      360
agtttgtaga aacattaaaa gt                                382

<210> 135
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 135
accctaaaca taactaaaa tttgttngga atttcaaagt acagaatttt cctgtaattg 60
agactnttta aacttttgtg gttggagaag gtattctatt ttttggaaat atctgtaagt 120
tttatctaaa tagtaaactc taagtattct tcccccattac ttacagccac cctggaaatc 180
tgagactaga gaaaataaaag tttgtctctt gttctaagga gggctgggt tagaaatctg 240
attagacat agaaaaattt caagaagctt gaggtgattt gaagatacga ttttggattc 300
aaagnatgtt tctgttttat agattttatt catctacaac tccttattaa tatatttaag 360
aagtcatattt cccaccattt attacttgat ataaaaggag aancggtggt aaaaggtgaa 420
atanaatttt taattttttt tttttaagt ttaggatttt tttttaattt ctaagagttt 480
ctgtcatttggggacaatca gaa 503

<210> 136
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<400> 136
 tggaatcat aatngttaa ctgaagctna taagatgaga gcattcanag agaaaagaac 60
 ggaaagattg aatatcagtt tcccttcattt aaaaaaattt tggatatgtg atctagctc 120
 ttgagcatca cagtgactga ttggctcgta gtaattgatc gctatgctga caatcttatac 180
 tccacctatg tcattcaatt ttctaagagg caaaatcctt aatcaggagg agagtttagc 240
 tctagctaaa ttcccttgt ccagcatgct cctgctcccc caacttgtgg aaacagctaa 300
 aggattggac taggagcana agtttggaaat ggttaaaatg tagcaacatg tgttcctga 360
 aacaaaattc cactataata aaaaaagcat ttgaatgctc ctttgtaatt ctgttgagc 420
 ttgtgcctt ttttatgaca caaccataat cagtataga cagtagcata aagaagcaag 480
 agcaaagcaa ttaagtaata atagcactac aaaaatgtgt gctgtactta ccaaacacga 540
 catttatgaa ttattanata ggaataaggg gatggt 576

<210> 137
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 137
 gaccaggcca tctaaataag ttrtacatgt tgcttatttt tttgttaggg acttatctc 60
 cgaagaggaa aggtttatga aacctaaagt aacaatgata gcttggaaatc aaaatgatag 120
 cattgttggc acagctgtga atgatcatgt cctcaaagtg tggattttt acactggaca 180
 actgcttcat aacttaatgg gacatgctga tgaagtattt gttctggaga cacatccctt 240
 tgattccaga attatgttat ctgcaggaca tggatggcagc atatttatg gggatattac 300
 aaaaggtacc aagatgaaac attattttaa tatggtaatg gaagtggat gtaccttgat 360
 acatgcttga taatttgggg agagtattt ggttatgcgg cttacccaga aattgatctg 420
 cttgtttgg cagtttgggg ttacaaatca acatattcaa agcctgctaa atattagaca 480
 gctacatgtta tatacgtaca tacatgaa 508

<210> 138
 <211> 4
 <212> DNA
 <213> Homo sapiens

<400> 138 4
 ttcc

<210> 139
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (384)..(384)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (412)..(412)
 <223> n is a, c, g, or t

<400> 139
 ctgcgtggcg ggaggccacg ggctttccac agcgcggggg aacgggaggg tgcaggatgg 60
 tcaagctgac ggcggagctg atcgagcagg cggcgcagta caccaacgcg gtgcgcgacc 120
 gggagctgga cctccggggg tgatctggac cctctggcat ctctcaaatac gctgacttac 180
 ctaagtatcc taagaaatcc ggtaaccaat aagaagcatt acagattgta tgtgatttat 240
 aaagttccgc aagtcatagt actggatttc cagaaagtga aactaaaatt ttaatccagg 300
 tgctggtttgc ccaactgaca aaaagaaagg tgggccatct ccagggatg taaaagcaat 360
 caagaatgcc atagcaaatg cttnaactct ggctgaagtga ganaggctga angggttgct 420
 gcagtctggc c 431

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<210> 140
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<400> 140
gaagacctca catctgagag ctcatctgcg ttggcattct ggagaacgcc ctttgttg      60
taactggatg tactgtggta aaagatttac tcgaagtgtat gaattacaga ggcacagaag    120
aacacataca ggtgagaaga aatttgtttg tccagaatgt tcaaaacgct ttatganaag     180
tgaccacacctt gccaaacata ttaaaacaca ccagaataaa aaaggtattc actctancag   240
tacagtgctg gcatctgtgg aagctgcgcg agatgatact ttgattactg caggaggaac   300
aacgcttatac cttgcaaata ttcaacaagg ttctgttca gggataggaa ctgttaatac   360
ttccgccacc agcaatcaag atatccttac caacactgaa atacctttac agcttgtcac   420
agtttctgga aatgagacaa tgggagtaaa tattacacaa atacttattc attgnggtta   480
tttttataca gtagtgagaa gaatattgtt cctaagttct tagatatctt ttttggatg   540
tgcaaaaatt tttggattga cagtaacttg ggtatacatg acactgaaat gccttacttt   600
ggatga                                         606

<210> 141
<211> 564
<212> DNA
<213> Homo sapiens

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<220>
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<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<400> 141
tgcctgcggg ccaggacctc gcccagccca tgttcatcca gtcagccaac cagccctccg      60
angggcaggc cccccaggtg accggcgact gagggcctga gctggcaagg ccaaggacac
ccaacacaat ttttgccata cagccccagg caatgggcac agccttcctc cccanaggac      120
ccggccgacc tcagcgccctc ctgcaggcta ggacactggc gcactacacc ccatgcctgg      180
gggccgagat tctccagcag aaagatgcaa tatttttgt ttccttttt tccattttt      240
tctctaagga atcaatattt caatatgttg agtgtgtgtc caatgctatg aaattaaaat      300
attaaataac atatttatgg cattttcttg aagagtgtgg ttgaagaaat atttctcctt      360
ttgttttct ttttttttg nttgntactg ccacttcttt ttaggagcaa atctccccag      420
gggtgtacgg natttcttga ctctggAAC agctgctacc cccaagactt gccacgttgt      480
tctgccctca aatggaatta agtg                                         540
                                                               564

<210> 142
<211> 390

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 142
ggaatatggc caggatcttc tccataactgt cttaagaat ggcaaggtga caaaaagcta      60
ttcatttgat gaaataagaa aaaatgcaca gctgaatattt gaactggaag cagcacatca      120
ttaggctta tgactgggtg tgtgttgtgt gtatgtata cataatgttt attgtacana      180
tgtgtgggt ttgtgtttt tgatacatta cagccaaattt atttgggtt tnatggacat      240
actgccctt cattttttc tttccagtg ttttaggtat ctcaaattaa gaaatgcatt      300
taaccatgta aaanatgant gctaaagtca gcttttagg gcccttgcc aataggtant      360
cattcaatct ggtattgatc tttcacaaaaa                                390

<210> 143
<211> 546
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (87)..(87)
 <223> n is a, c, g, or t

<400> 143
 acccgccatc ttccagtaat tcgccaaaat gacgaacaca aaggaaaga ggagaggcac 60
 ccgatatatg ttctcttaggc cttttanaaa acatggagtt gttccttgg ccacatata 120
 gcgaatctat aagaaaggtg atattgtaga catcaaggga atgggtactg ttcaaaaagg 180
 aatgccccac aagtgttacc atggcaaaac tggaagagtc tacaatgtta cccagcatgc 240
 tggcatt gttgtaaaca aacaagttaa gggcaagatt cttgccaaga gaattaatgt 300
 gcgtatttag cacattaagc actctaagag ccgagatagc ttcctgaaac gtgtgaagga 360
 aaatgatcag aaaaagaaaag aagccaaaga gaaaggtacc tgggttcaac taaagcgcca 420
 gcctgctcca cccagagaag cacactttgt gagaaccaat gggaggagc ctgagctgct 480
 ggaacctatt ccctatgaat tcatggcata ataggtgtta aaaaaaaaaa ataaaggacc 540
 tctggg 546

<210> 144
 <211> 109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<400> 144
 acatttccg gncctttgc catacacagt tacagagatc agtcaaatcc ataccaccac 60
 tgagatctca tttattgcca cagatgcaca aaataaataa cccaaaatc 109

<210> 145
 <211> 374
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 145
ccagcaacga cccatacctc agacccgacg gcccgaggcg gagcgccccc tgccctggcg      60
cagccagagc cgccgggtgc ccgctgcagt ttcttggac ataggagcgc aaagaagcta
cagcctggac ttaccaccac taaactgcga gagaagctaa acgtgtttat tttcccttaa      180
attattttg taatggtagc ttttctaca tcctactcct gttgatgcag ctaaggtaca      240
tttgtaaaaaa gaaaaaaaaac cagactttc anacaaaccc tttgtattgt anataagagg      300
aaaagactga gcatgctcac tttttatat taattttac agtatttgta agaataaaagc      360
ancatttgaa atcg                                         374

<210> 146
<211> 357
<212> DNA
<213> Homo sapiens

<400> 146
gtacaggagg taaattggat accccatcta agggatctg tgagaccagg tagttatgg      60
gaatgaaaga gtaagatatt aaaccagcca gcatgtcaac aggtgggtga tagtcttgg      120
ctcacagaca acagatggcc atcatcttaa aacaacattt atgttaacca gcagataagg      180
gactcctgca ttgtcagtgg actttgagcc tgagttttc tacttgcata ggtgaaagtg      240
gactgcaatg ctgtataaaa tgccgtatga tgacttagtac cccttaggga gctccagtt      300
gccttcctgg ggaaccacag accccaagtg taatttcctg aggacagccc gacttct      357

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<210> 147
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (101)..(101)
 <223> n is a, c, g, or t

<400> 147
 gttactgtga gcctgtcagt agtgggtacc aatctttgt gacatattgt catgctgagg 60
 tgngacacct gctgcactca tctgatgtaa aaccatccca nagctggcga gaggatggag 120
 ctgggtggaa actgcttgc actatcgtt gcttgggttt tgtttttaac gcacaacttg 180
 cttgtacagt aaactgtctt ctgtactatt taactgtaaa atggaatttt gactgatttg 240
 ttacaataat ataactctga gatgtgtgaa aaaaaaaaaa aaaaaaaaaa aaa 293

<210> 148
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 148
 ctgcgggtgga gcccacca aaatgcagat tttcgtgaaa acccttacgg ggaagaccat 60
 caccctcgag gttgaaccct cggatacgt agaaaaatgta aaggccaaga tccaggataa 120
 ggaaggaatt cctcctgatc agcagagact gatcttgct ggcaagcagc tggaagatgg 180
 acgtactttg tctgactaca atattcaaaa ggagtctact cttcatcttg tggtgagact 240
 tcgtgggtggt gctaagaaaa ggaagaagaa gtcttacacc actcccaaga agaataagca 300
 caagagaaaag aaggtaagc tggctgtcct gaaatattat aaggtggatg agaatggcaa 360
 aattagtcgc cttcgtcagag agtgccttc tgatgaatgt ggtgctgggg tgtttatggc 420
 aagtcaactt gacagacatt attgtggcaa atgtgtctg acttactgtt tcaacaaacc 480

agaagacaag taactgtatg agttaataaa agacatgaac t

521

<210> 149
<211> 470
<212> DNA
<213> Homo sapiens

<400> 149
aagctcatga tttaaatgt attttctaa taaactatac tccattaa aaatcaccaa 60
taccttaatg tttcaattat ataagcta ataaaaataaa ggctggcgt ggtggctcac 120
tttggaaagac cgaggcaggc agatcacctg aggtcaggag ttcgagacca gcctgccaa 180
catggagaaa cccatctct actaaaaata caaaattagc cagggatggt ggcacatgcc 240
cgtaatccca gctactgggg aagctgaggc aggagaatca cttgaacctg ggaggcaggg 300
gctgcagtga gccgagatca tgccattgca ctccagtctg ggcaacaata gtggaactcc 360
atctcaaaaa taataaaaaa aataaaataa aaataaaatt caaacctaaa atagatgctc 420
tacttcagga gtgggcaaat taatcacctg catcctttt ttgggcttc 470

<210> 150
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<400> 150
ttttttcta aatggngatt actaatatat gtggagacta ttaatctttt ttctgttgcc 60
attagttcat ttttccccaa aagccaatac atgttcatta caaaaatgaa ttataaaata 120
taagttaaaa gaaaaacata aaaccctaca atcttaccca cccagacaac tactattaat 180

accttagtat taacatatac acatcatgta tatgtataaa tttatcttaa aaaaaataa	240
aattattctt tacatattgt ttaaaacct atttatctgg ccaggtgccg tggctcacgc	300
ttgtaatccc agcaacttgg gaggctgagg cacgtggatc acctgaggtc aggaattcga	360
gaccagccca gccaacatgg tgaaaccctg tctctaattgg tttaaatacc aaaaaattag	420
ctggcatgg tggcacatgc ctgtaatatc agctaacatg ggaggctgag gcaggagaat	480
cacttgaacc anggaggggg aggttgcagt gagccgaaat cacaccactt cactgcagcc	540
tggcaacaa agcaagactg tctcaaaaag aaaaa	575

<210> 151
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 151
cactgtcatt cccaggaggc tttggagtca gaactggatt caaattctga ctntatgtg 60
tgtgacttgg gccaatagct tctttntgtg cctcagttc ttttagctgta aatanacggg 120
taggtcaccc cttaccccat aggttatggg gaaagttaca gaaaatggtc agctgggcnc 180
agtggctcaa gcctgtggc ccagcnccctt gggaggccaa ggtgagcaga ttgcttgagc 240
ccaggagttt gacaccagtn tggcaacgtg acgaaaccct atcnctgtga aaaataaaaa 300
aaatttagcca ggcattgggg tgtgtgtctg tggttccagc tgcttgagag tttgaagtgg 360
gaggatcacc tgagcccaga aggtcgaggc tgcaagtgagc tgtgatcgcg tcactgcact 420
ccagcctggc gacagagtga gaccctttt gaaaaaaaaaaa aaaaaaaaaat 470

<210> 152
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (602)..(602)
<223> n is a, c, g, or t

<400> 152
gtgagcggtg gtggtttatt cttccgtgga gttaagggtc cggtggacat ctcaggtctt 60
cagggtcttc catctggaac tatataaagt tcagaaaaca tgtctcgaag atatgactcc 120
aggaccacta tattttctcc agaaggtcgc ttataccaag ttgaatatgc catggaagct 180
attggacatg caggcacctg tttggaaatt ttagcaaatg atgggtttt gcttgcagca 240
gagagacnca acatccaccaa gcttcttgat gaagtctttt tttctgaaaa aatttataaa 300

ctcaatgagg acatggctt cagtgtggca ggcataactt ctgatgctaa tgttctgact 360
aatgaactaa ggctcattgc tcaaaggtat ttattacagt atcaggagcc aataccttgt 420
gagcagttgg ttacagcgct gtgtgatatc aaacaagctt atacacaatt tggagggaaa 480
cgtcccttg gtgttcatt gctgtacatt ggctgggata agcactatgg ctttcagctc 540
tatcagagtg acccttagtgg aaattcgggg gatgggaagg ccacatgcat tggaaataat 600
ancgctgcag ctgtgtcaat gttgaaacaa g 631

<210> 153
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (576)..(576)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (638)..(638)
<223> n is a, c, g, or t

<400> 153
ttttttttt ataaactcca atcatttcca gagctactta gctcagcatc tttttttcc 60
acgctcttaa gttgtgttta tacattttg atacagttttag attgttttg tcacatttt 120
cattctatcc tgggatcccc caaccaccta agtggatttt ttgataattt gcatgctta 180
aggataactc ttcattctgn aaagggtat gggtttggc aaatgcagag tcatgtatcc 240
aagattacaa tatcgacacag aagagtttca tcactatata aaactcacca gtttcctcc 300
tattcaacca tctccatgcc ttcttcccag ccctaactcc ttaaaaaccac tcataatctt 360
actattgcta tagtattgcc tcttccacca tgtcatataa atggaaacat acagtattag 420

tcttctcaaa	ctagttc	ttacctaaca	acatgcattt	aagattcata	gtgtctttta	480
atgacttgat	agattatttc	ttttagctg	aataatattg	catcttatag	atgtaaccgt	540
ttgtatatcc	atattttctc	acagcctatg	acttgnctt	tgattctctg	aacaggccat	600
tcacaaagca	gaagttttaa	ttttataaaa	gctaatgnat	caactt		646
<210>	154					
<211>	69					
<212>	DNA					
<213>	Homo sapiens					
<400>	154					
cctggatgac	agcatatctg	ttttagctc	agtttactga	atactttaag	cccactgttg	60
aaacctgct						69
<210>	155					
<211>	502					
<212>	DNA					
<213>	Homo sapiens					
<220>						
<221>	misc_feature					
<222>	(500)..(500)					
<223>	n is a, c, g, or t					
<400>	155					
gatgcattgc	cagcataggc	aggattgctc	ggtgtgaga	aggtaggtc	cggctcagac	60
tgaataagaa	gagataaaat	ttgccttaaa	acttacctgg	cagtggcttt	gctgcacgg	120
ctgaaaccac	ctgttcccac	cctcttgacc	gaaatttcct	tgtgacacag	agaaggcaa	180
aggctgagc	ccagagttga	cgaggaggat	atttcagggt	tcacttcagg	ggctcccaa	240
gcgacaagat	cgttagggag	agaggcccag	ggtggggact	ggaaatttaa	ggagagctgg	300
gaacggatcc	cttaggttca	ggaagcttct	gtgcaagctg	cgaggatggc	ttgggccgaa	360
gggttgctct	ccccgccccg	ctagctgtga	gctgagcaaa	gccctgggct	cacagcaccc	420
caaaaaggctg	tggcttcagt	cctgcgtctg	caccacacat	tcaaaaggat	cgttttgttt	480
tgtttttaaa	gaaaggtgan	at				502

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<210> 156
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<400> 156
ctgcgatnga gtttgagag gaaggantaa agtnctcatc tcngacggtg agaaagatca      60
tnactaagga aacgcaggg tggaaagcagt gctgantgtc cagttgagtt tcatgancaa      120
acatttgctg tggaccagt tttcatggng gtttgcatt ttgtccagct gcctggagct      180
gcttggttga aggcacagaa taatcaggat taattgttna acttgtatga atttctttat      240
tttaaaaatag gaataatatc tgccttggga gcaagttgta agagttaact gaaagcttna      300
ggaaaaactt tcccttgcta tttaagtagg gctttacaag ttacaattct atcacagtt      360
taagattata aac                                         373

<210> 157
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (21)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<400> 157
gcggcgcanc tgcggatcca naaggncata aacgancnga acctgcccaa nncgtgtat      60
atcaccttct nagatccaga cnacccctc aacttcaagc tggtcatctg tcctgatgag      120
ggcttcnaca agagtggaa gtttgtctca aaaaaa                                155

<210> 158
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t

<400> 158
gattactgt ggaaatttgc tcatgcaatt atggaaacct agaagtccca taatatgcca      60
tcttcaagct ggaatcccag gaaagcaggt ggtgttaattc tgagattgaa gtcttgagaa      120
ccggggaggt caatggtgta actcccaatc tagggcttaa ggcccaagga ccagggctgc      180

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tggtgtgcag atgcaaatcc tggagttcaa aggattgaga accaggagct ctgggtctg 240
agggcagtag aagatggatg ttccagctca agaaggaaa gtaagaatcc gtccttcctc 300
cacttttg ttctattcag atgagccctc aatggactga acgatgctca cccacactgt 360
gagggctggt cttctttatt caatccactg acttaagtgc tgatctcttc tggaaacacc 420
ttcacagaca cacccagaaa taatgttcta ccagccatgg gcctgttact tagcccagtc 480
aagttgacac agaaaattag ctatcacaac atctgtgtgt gtatatacat atgtatTTGC 540
atgtgtgtgt atatatgng tatatatatt catgtgtgtg tata 585

<210> 159
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<400> 159
ctttgccag taggccccct gagtaggttc ctctatctt tggcatgacc ccagaagtct 60
ttgataactt ccttgcttcc tgatgtgaca agacatccag ggccagattg tccatatcct 120
gccccggatg cacgatgcac tgtttctcca agaatccctg tgtccttgc tgatgtgcc 180
atgattttaa gttctcta atagtttat ctcttgc cagataatgc ttttgttgc 240
tcacatgtcc tgctctctct ctctctctca ttttgttgc gatcagtctt tccataagat 300
tgtttatttc actagtcctt cattcttctt tttctaaat ttactctct tgacttagat 360
cctgtcactt ctgaggactc atatTTGC aacttgaaaa ttattcttat ttatTTAGT 420
atatgttnct gaaactctca ttagacacat tttg 454

<210> 160
<211> 346
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<400> 160
gttaaaaaaa gtaaaaggaa ctggcaaat cttaccccgctgttacca aaaacatcac      60
ctggtagcat caccagtatt agaggcaccg cctgccagt gacacatgtt taacggccgc      120
ggtaccctaa ccgtgcaaag gtagcataat cacttgttcc ttaaataggg acctgtatga      180
atggctccac nagggttcan ctgtctctta ctttaacca gtgaaattga cctgcccgtg      240
aagaggcggg cataacacag ctgaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa      300
aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aatttt      346

<210> 161
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t

<400> 161
ctttcatgg tctcttggttca attaatcatc taaaatccaa gcncagagaa ttcaattttta      60
gatggctcc agagcagaat ttgatgtata atcttaatta caaatcatag ataattaata      120
ttgnntacaa aatcanaata cgatttaggg tagggatcct gcacacaccc tattttcctc      180
cccagtgttc tgaccgagag actaattaaat aattcaagga acttacagtg aatganaacc      240
catggtttg cttaatttac agaacagcta gatctgagaa cagctgtctc ccacatggat      300
agacacttat tccacccatt tgcaaggtaga atagctggca ataataagtc cttcccattg      360
gatatgttga aaggtgcctg ccatggcata gttgccacaa gagaggaaga aatggacaca      420
aatgtaggct gtttcaggg canagggaaat gtggggaggaa accaanttgc tggttttcac      480
acaccctctg gggAACACCC atgcacccat ganatg                                516


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<210> 162
<211> 385
<212> DNA
<213> Homo sapiens


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<400> 162
gacaaaagct gagagaattt ttttcttgaa tatttgcact aaaagatagg taaaaattct      60
tcaggctgaa gagagcatac caggtggaga tttggatcta caaaaaggaa ggaagatttg      120
gaaatggatt tggcaccatt gactcaattt ccagaacaag aaagcagggc cagttttggg      180
aagctcaaga cacactgccc atgagcagca atttggacct cctgctgcat ccactgtgca      240
tcaaacacac actgtacaga caaagactcc cagaaaaaga agtataaaca tggactaaca      300


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cagagatggg caaactacag cctgtgaccc agccacctgt ttatgttagaa tccaaagtaa	360
gaatctttaa cttacacata aactt	385
<210> 163	
<211> 660	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (22)..(22)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (300)..(300)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (335)..(335)	
<223> n is a, c, g, or t	
<220>	
<221> misc_feature	
<222> (347)..(347)	
<223> n is a, c, g, or t	
<400> 163	
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccacccg gaaggaacca	60
tctcaactgtg tgtaaaacatg acttccaagc tggccgtggc tctcttgca gccttcctga	120
tttctgcagc tctgtgtgaa ggtgcagtt tgccaggag tgctaaagaa cttagatgtc	180
agtgcataaa gacataactcc aaacctttcc accccaaatt tatcaaagaa ctgagagtga	240
ttgagagtgg accacactgc gccaacacag aaattattgt aaagcttct gatggaagan	300
agctctgtct ggaccccaag gaaaactggg tgcanagggt tgtgganaag ttttgaaga	360
gggctgagaa ttcataaaaa aattcattct ctgtggtatac caagaatcag tgaagatgcc	420
agtgaaactt caagcaaatac tacttcaaca cttcatgtat tgtgtggtc tgttgttaggg	480
ttgccagatg caatacaaga ttcctggta aatttgaatt tcagtaaaca atgaatagtt	540

tttcattgta ccatgaaata tccagaacat acttatatgt aaagtattat ttat	ttgaat	600
ctacaaaaaa caacaaataa ttttagata taaggattt cctggatatt gcacggaga		660
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<211> 549		
<212> DNA		
<213> Homo sapiens		
<220>		
<221> misc_feature		
<222> (22)..(22)		
<223> n is a, c, g, or t		
<220>		
<221> misc_feature		
<222> (300)..(300)		
<223> n is a, c, g, or t		
<220>		
<221> misc_feature		
<222> (335)..(335)		
<223> n is a, c, g, or t		
<220>		
<221> misc_feature		
<222> (347)..(347)		
<223> n is a, c, g, or t		
<400> 164		
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccacccg gaaggaacca		60
tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttgca gccttcctga		120
tttctgcagc tctgtgtgaa ggtgcagtt tgccaaggag tgctaaagaa cttagatgtc		180
agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaaagaa ctgagagtga		240
ttgagagtgg accacactgc gccAACACAG aaattattgt aaagctttct gatggaagan		300
agctctgtct ggACCCCAAG gaaaACTGGG tgcanagggt tgtgganaag ttttgaaga		360
gggctgagaa ttcataaaaa aattcattct ctgtggtatac caagaatcag tgaagatgcc		420
agtgaaactt caagcaaatac tacttcaaca cttcatgtat tgtgtgggtc ttttgttaggg		480
ttgccagatg caataacaaga ttccctggta aatttgaatt tcagtaaaca atgaatagtt		540

tttcattgt

<210> 165
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 165		60
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca		60
tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttgca gcttcctga		120
tttctgcagc tctgtgtgaa ggtgcagtt tgccaaggag tgctaaagaa cttagatgtc		180
agtgcataaa gacatactcc aaacctttcc acccaaatt tatcaaagaa ctgagagtga		240
ttgagagtgg accacactgc gccaacacag aaattattgt aaagcttct gatggaagan		300
agctctgtct ggaccccaag gaaaactggg tgcanaagggt tgtgganaag ttttgaaga		360
gggctgagaa ttcataaaaa aattcattct ctgtggtatac caagaatcag tgaagatgcc		420
agtgaaactt caagcaaatc tacttcaaca cttcatgtat tgtgtggtc tggtaggg		480
ttgccagatg caatacaaga ttcctggta aatttgaatt tcagtaaaca atgaatagtt		540
tttcattgtt ccatgaaata tccagaacat acttatatgt aaagtattat ttatgttgaat		600

ctacaaaaaa caacaataa ttttagata taaggattt cctggatatt gcacggaga 660
 <210> 166
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (140)..(140)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (527)..(527)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (530)..(530)
 <223> n is a, c, g, or t

<400> 166 60
 gaatttgtat agttcagctt gaatgtctct tagagggtgg gctttgttg atgagggagg
 ggaaactttt ttttttcta tagacttttt tcanataaca tcttctgagt cataaccagc 120
 ctggcagtat gatggcctan atgcagagaa aacagctcct tggtgaattg ataagtaaag 180
 gcagaaaaga ttatatgtca tacccattt gggataaag cataaccctg agattcttac 240
 tactgatgag aacattatct gcatatgcc aaaaattttt agcaaatgaa agctaccaat 300
 ttaaagttac ggaatctacc attttaaagt taattgttg tcaagctata accacaaaaa 360
 taatgaattt atgagaaata caatgaagag gcaatgtcca tctcaaaata ctgttttac 420
 aaaagcagaa taaaagcgaa aagaaatgaa aatgttacac tacattaatc ctgaaataaa 480
 agaagccgaa ataaaatgaga gatgagttgg gatcaagtgg gattgangan gctgtgctgt 540
 gt 542

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<210> 167
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 167
cttgaacctc ggagggcagag gttgcagtga gccgagatca cgccactgca ctccagcctc      60
ggggacagag caagactcca tctcaaaaca cacacacaca cacacacaca cacacacaca      120
cacacaaaac agatatacac tgaacacagc acaagtggga cataagagat ttaaaagggt      180
tagagatgta aaatggatct aggaatggaa accataaggn gggatttatac aactggattc      240
tgcanaatgc tgttaaggcc agatgttagc aggtgttaca taaaaaaggg ataccatgag      300
caaaagtatt tgaacatggg caatggttga aacaagttt aacagattat nttaattacc      360
aaatctctca aacctttaat atgctataaa cattgtgaaa caataaaaaa actttccaaa      420
a                                         421


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<210> 168
<211> 472
<212> DNA
<213> Homo sapiens


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<220>
<221> misc_feature
<222> (152)..(152)


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<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (460)..(460)

<223> n is a, c, g, or t

<400> 168

gggaagggag ctatgagtgt gtgtgttgt tatggactca ctcccagggtt cacctggcca 60
caggtgcacc cttccacac ccttacatt ccccagagcc aaggaggtt aagttgcag 120
ttacaggcca gttctccagc tctccatctt anagagacag gtcaccttgc aggctgctt 180
gcagggaaatg aatccagcag ccaactcgaa tccccctagg gctcaggcac tgagggcctg 240
gggacagtgg agcatatggg tgggagacag atggagggta ccctatttac aactgagtca 300
gccaagccac tcatggaaat atacagattt aggtgctaaa ccgtttattt tccacggatg 360
agtcacaatc tgaagaatca aacttccatc ctgaaaatct atatgtttca aaaccacttg 420
ccatcctgtt agattgccag ttccctggac caggcctcan actgtgaaag ta 472

<210> 169

<211> 638

<212> DNA

<213> Homo sapiens

<400> 169

ggcgagggtt gcagtgagct gagatggcgc cattgctctc ccagcctggg tgacaagagc 60
aaaactccgt ctcaaaaaaa aaaaaaaaaa aaaaagcaat ttacttaaaa acatacaaac 120
acagagacaa gtattttga gaaacaaaata ccttttcat tttttatacc aatgtaacaa 180
taatccatta aacacacctt tactaactgt tttcttaggag tctgatgttg tgagggaaata 240
ggtaaacctt taatagccag tactaaattha gagtggcaca actttcactg ggaaaaaaga 300
tgggtatattt actttctgt tttagaaaaag tggcttgaca acagtatgct tatgtcttag 360
agtttgaat tcaagttctt gaacattt aatggctaca atcattcata cccacattgg 420
gctgtattct tcatgtatcc aaagtgattt tcacctcaac tctgaatttc attctcctct 480
tttgaatata atacaaccat ctcactagag gaagcatttc agtctttct gattggagat 540
tcattattgt tttagataat gtttcattt gcttatgggt atataaaaaa ttttatctta 600

aaaatatttc ctctcattta gctagcaaca ttgttttc 638

<210> 170
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 170
ctcagggtga tctctgaacc caaacttgcc ccaaagaagg ttgctctgtc ctctccacat 60
ccccatctcc tcccttagggc cttgttgggg agaggctcct ccatcttcc caagtcacac 120
catcggttcc tacgtggtct ggacaagagc aagagcacac cttgtccccca cttctccag 180
agcagccaga acccacctca ggtgccttcc ccatccggtg cagttaaggc acttctgcc 240
gcaccatggt atgagacta gacttggagt taagatttga gagccccctc tgtcaactgt 300
gaagcttgag catgttgctt gatctctctg aaccttgtgt ttctcatctg tgaaaggta 360
taatgtgggg ctgctgtgag atttaaagga cataatgcac ctacggtcca agcactgcct 420
ggaatacagc anaagctcaa cagatactgg acaacccatc cccttagtag aggactaac 480
catgtgaccc aaggcaaaag tgctaaaaaa aa 512

<210> 171
<211> 580
<212> DNA
<213> Homo sapiens

<400> 171
attgcatgca agtttgctga gctgaaggaa aagattgatc gccgttctgg taaaaagctg 60
gaagatggcc ctaaattctt gaagtctggt gatgctgcca ttgttgatat ggttcctggc 120
aagcccatgt gtgttgagag cttctcagac tatccacctt tgggtcgctt tgctgttcgt 180
gatatgagac agacagttgc ggtgggtgtc atcaaagcac tggacaagaa ggctgctgga 240
gctggcaagg tcaccaagtc tgcccagaaa gctcagaagg ctaaatgaat attatcccta 300

atacctgcca ccccactttt aatcagtgggt ggaagaacgg tctcagaact gtttggca	360
attggccatt taagtttagt agtaaaagac tggtaatga taacaatgca tcgtaaaacc	420
ttcagaagga aaggagaatg ttttgtggac cactttggtt ttcttttg cgtgtggcag	480
ttttaagtta ttagtttta aaatcagtac ttttaatgg aaacaacttg accaaaaatt	540
tgtcacagaa ttttgagacc cattaaaaaa gttaaatgag	580

<210> 172
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (188)..(188)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (538)..(538)
 <223> n is a, c, g, or t

<400> 172	
gcaacctgca caaccccgcc ctgttcgagg gccggagccc tgccgtgtgg gagctggccg	60
aggagtatct ggacatcgtg cgggagcacc cctgccccct gtcctacgtc cgggcccacc	120
tcttcaagct gtggcaccac acgctgcagg tgcaccagga gctgcgagag gagctggcca	180
aggtgaanac cctggagggc atcgctgctg tgagccagga gctgaagctg cgggtgtcagg	240
aggagatatac caggcaggag ggagcgaagc ccaccggcga cttgcccttc cactggatct	300
gccagcccta catccggccg gggcccaggg aggggagcaa ggagaaggca ggtgcgcgca	360
gcaagcgggc cctggagggaa gaggagggtg gcacggaggt cctgtccaag aacaagcaaa	420
agaagcagct gaggaacccc cacaagacct tcgacccttc tctgaaccaa aatatgcaaa	480
gtgtgaccag tgtggaaacc caaaggcua cagatgtgtg ttcagcctgt gccgcggntt	540
g	541

<210> 173
 <211> 671
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (610)..(610)
 <223> n is a, c, g, or t

<400> 173	60
ggaatagaat tttaaatagt aataactgct tgttttttt gtgcaagtagtac ttttatacat	
aagataaaaca aaaaccttac caccaaacat accaaaatgc acctctttca taagtggat	120
actaagattt ctatacctgg aatatcatgt atgttcatt tactggatgt ttacatttttta	180
ggaaggaaaa tagtttggtt tatttaaaca actgaataact tataaactgt tgccctggaa	240
agttattttat tccataaaaaa atttggttttt ttgtcatgaa tttataatttcc ctaaatgaag	300
accagaaaatgtaaaatggct gggaggaaga ataggcttta ttaatcaact gatgtcttga	360
tttttctaaa tggaagatt gctttttttt taacactaat tatggagca gattcttagc	420
aaacttctttt ggaaaagtta atgttatgtat gtgcatttgg ctgccccatc gtgtatataa	480
atgaagcaga tttgattttt gtattcttac gtttctctgc tttgtatgt tggtgtact	540
taaagaaata cagaatttca tatattttaaa aatgtttaaa atgtgaccca cagacattgt	600
aaatggattn aaaactaaca tgaaaaatat tcaacctaaa agaattctta acttcacaag	660
tgtttactt c	671

<210> 174
 <211> 607
 <212> DNA
 <213> Homo sapiens

<400> 174	60
cttgggttccg cgttccctgc acaaaaatgcc cggcgaaagcc acagaaaccg tccctgtatc	
agagcaggag ttgcccgcagc cccaggctga gacagggtct ggaacagaat ctgacagtga	120
tgaatcagta ccagagcttg aagaacagga ttccacccag gcaaccacac aacaagccca	180
gctggcggca gcagctgaaa tcgatgaaga accagtcaat aaagcaaaac agagtcggag	240

tgaaaagaag gcacggaagg ctatgtccaa actgggtctt cggcaggta caggagttac 300
tagagtcact atccggaaat ctaagaatat cctcttgta atcacaaaac cagatgtcta 360
caagagccct gcttcagata cttacatagt ttttggggaa gccaaagatcg aagatttac 420
ccagcaagca caactagcag ctgctgagaa attcaaagtt caaggtgaag ctgtctcaa 480
cattcaagaa aacacacaga ctccaactgt acaagaggag agtgaagagg aagaggtcga 540
tgaaacaggt gtagaagttt aggacataga atttggtcat tgtcacaaag caaatgtgtc 600
gagagca 607

<210> 175
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 175
gtcaccaaga gcttgggttc aggtttcac ttgctattcg cagagatttt ttttaaggc 60
actatttgta gtgttaaaag ggtgaattta tcanaaggca taataatcat aaatgtgtat 120
atgcctaata atagaacttt aaaaggcatg aagcaacact caaaaggatt aaagggagat 180
catctcaccc ccttcttacc aattgataga atgatctgat gaaaacagta aaataacaac 240
agatctgaac actgtcaacc atcttgacaa atacttatgc ctatgttcc attattggaa 300
cactaaacat gtggaatgat ttatatccta ctgctcaagg tcataccaa ggtctaattg 360
taaaatttca aaaaattgca acctcaggca taaatgggtt aatcgacatt tatagcacac 420
acatgcaaca tgtaccagag attccttctt ttctatgaac atggtaatcc caccaagata 480
gaccacattg tgaactataa aacaaatcta aaaacatttg aatgaagga aattatataa 540
aatatgttct cttgatctca atgaaattaa attaatacta tat 583

<210> 176

<211> 549
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (417)..(417)
 <223> n is a, c, g, or t

<400> 176		
ctcatggcgg ccaatgtagg cccaaaactt cctcaagtca aactctccag gcccacacctc	60	
tgcctcccg tggcatcaac aggcccagct ttgacttgag aacagcctct gcaggccctg	120	
ctcttcgcctc ccaggggctt tttccaggcc cagctttgc ctcatggcag ctgccccagg	180	
ccaaatttct gcctgcctgc cagcagcctc aacagggcaca gctcctccct cacagtggcc	240	
catttaggcc caactcatga ctgtgaggcc atttccaggc ctagtgcctg cctcgtggct	300	
gactcttgaa gcccaaaaact tcctcaaatac agcctttgc ccaacttctg tctactgtcg	360	
gactctacag gtcagcctct gcctcacagt ggaccctcca gacccagatg gtgtctnctg	420	
tggcatcctc aggcgaagct cctgccttgc ggcagcctct ccaggccctg ctcctcctgc	480	
tccagccttc tctccaggct ctgaactttc tcaggtctcc ctctgttgta caaggctgga	540	
gtgttagtag	549	

<210> 177
 <211> 662
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (581)..(581)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (602)..(602)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (644)..(644)
<223> n is a, c, g, or t

<400> 177 tatatatgtatgccttaa cctagtgttt ggcatgatcg ttgctgaaag ggaagcttgt 60
gggtacagtgtccctcaga agccaaagcc cagggaaagggt cgccctgccca ggtcaggctc 120
ccagcgagtt tgtctgggaa gggccattc atacctccag gtcaggacag aggctcgggc 180
tgagggaaacc ctacacaggt cctggaagca gatccttct gcctaagcca gcaggacagc 240
tcaacaggaa gcatcttcca gccacgggag gagaggcagc acctttttg gaaccataaca 300
gagctaagaa tggtgttaca agtaatagat tctgtactgg caaccccact tggtgttgc 360
agttcttagga aaagggggct gtccttgagt cagccatggg gtcagccaca cagtcaccgc 420
agctgctctt tggcacccggg cgctggaaag acctaggatg acacagcctg gaaagagctt 480
gggaaaagct catcttccac agaactacct gctataccag ccagggcagg tgcttattcc 540
cacaacagcc ctctgttata ggcggcagtg ccattctgaa ngtgcgtgg taccttctga 600
anaccagct gagggcctgt aatggcactt gcatgccaca tggnacaccc tttcccggtt 660
aa 662

<210> 178
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<400> 178
accgcggccg cgtnaanaaaa aaaaaaaaaa gaattccact tgatcaactt aattcctnt 60
ctttatcttc cctccctcac ttccctttc tcccaccctc tttccaagc tgtttcgctt 120
tgcaatatat tactggtaat gagttgcagg ataatgcagt cataacttgt tttctcctaa 180
gtatggagt tcaaaactcc tgtatctaaa gaaatacggt tggggtcatt aataaagaaa 240
atctttctat cttaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 339

<210> 179
<211> 457
<212> DNA
<213> Homo sapiens

<400> 179
ttagagaggt gaggatctgg tatttcctgg actaaattcc cttggggaa gacgaaggga 60
tgctgcagtt ccaaaagaga aggactcttc cagagtcatc tacctgagtc ccaaagctcc 120
ctgtcctgaa agccacagac aatatggtcc caaatgactg actgcacccctt ctgtgcctca 180
gccgttcttg acatcaagaa tcttctgttc cacatccaca cagccaatac aattagtcaa 240
accactgtta ttaacagatg tagcaacatg agaaacgctt atgttacagg ttacatgaga 300
gcaatcatgt aagtctatat gacttcagaa atgttaaaat agactaacct ctaacaacaa 360
attaaaagtg attgtttcaa ggtgatgcaa ttattgatga cctattttat ttttctataa 420
tgatcatata ttaccttgt aataaaacat ttttccc 457

<210> 180
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (128)..(128)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (177)..(178)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t
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<400> 180 cgtctatttg ngtttcttct cacaattgggt aagttctctg tattgattga tggctaagtt 60
tgatttagtgt ttttctctag ttggtaatta tattcttagta ttttatcatc ttattgttta 120
ctcaactnaa agtgncacag aagagttgcc aggtttctct ttgatatgag atctctnnntt 180
gatttggaat gcaaattcana agtgtcatgt tttgaataaa gggaccagat gacttatagg 240
tattcttc tctaaatataa ctaaggtaag atttttgttt tgaggtactt aatctatata 300
agtggtaaag aatttacttg aatttctcca aattctcatg tctaaagtct gattgattaa 360
attcattctt ggtatttcat tttgaaaaga atgttagcttt agcaaaccctc tttgtataaa 420
tgcagtggga ttaaggtcat ttaaaaaatt gttatatcat tgtatttta aaatttacca 480
gttttatttt tcttttacc cttagcccg gcctcagaaa gtgtgtttgt gtccatttct 540
cccagcgcac cctctgcata tctctaccca cttgtcataa ttcagcatcc agcagaggaa 600
aacaaaqtgt tgcgtacagt tcctctacta gcagcatgcc tcccccagga caagtgtta 658

<210> 181
<211> 452
<212> DNA
<213> *Homo sapiens*

<220>
<221> misc feature

<222> (217)..(217)

<223> n is a, c, g, or t

<400> 181
ttattgctga cataaaaaatg gtgcacatcg gccagggccc aggatgaatc agccaatctg 60
caccatttat acatggaact ggagaacatt gtgccaataa tcatttaata tatgccaaat 120
cttacacgtc tactctaaac tgctctaattg aagttcagt gaccttgagg gctaaagatt 180
gttcttctgg gtaagagctc ttgggctgg tttcanagc agagttcttg ttgtggtag 240
actgtgacta gttcacagc ctttgtggaa cattccgtat aacggcattg tggaagcaat 300
aactagttcc tatgaaagaa ccagagctgg gaagatggct gggaaagccag gccaaagtgg 360
ggcaacagc ttgcttctct ttctcttc accctcagtt tgtatggaa aatggagatg 420
tcctctccac tttatccac gatatctaaa tg 452

<210> 182

<211> 209

<212> DNA

<213> Homo sapiens

<400> 182
caggatatcg agaccatccc agacagcatg gtgaaaactcc gtctctactg gaatacaaaa 60
agttagccgt gtgtgggtggc acgcgcctct aatcccagct attcgggagg cttaggcagg 120
agaattactt gaacccggga ggcgaagggt gcagttagct gagatcgcac cattgcactc 180
caccctggcg acagagcaag actccgtct 209

<210> 183

<211> 541

<212> DNA

<213> Homo sapiens

<400> 183
cagccaaccc agaaggagcc agtctacaac tatgcctgat ctcctcatg gcaggccacg 60
aagcattgct gccatgtgtt gaattataaa acccacattg cttttgaac cctgttgcgg 120
gtaaaaataa ccaaattatc agtccttgaa aacccaggca atcaagttag tacaaggtaa 180
agataagtat ggtagagg agaaattatg ttctgaact ggtgtccctt gatggcagcg 240

tcagccttgc taagttagag tagagggagc agtgacccata ataaggcttgcgtgagcatca 300
tgtgcacgcg tgggtggag tcccttcac tgatgcttt aaaagtgcatttgcagaccc 360
tggaaaggat cctccacaca tatgaggtgt gggacaggta ggccagagag gattagccct 420
gcttcgaga ctagaaatct acagtcctga aggagcagta attaattggta acacctgtca 480
gggccagccc ccaggtctcc tggcttttc caggtttct gtctcacatg atttgctt 540
t 541

<210> 184
<211> 640
<212> DNA
<213> Homo sapiens

<400> 184
ctttaatttt tcaagtgttt aaaaaacaat tttatactta agccagcctt gaagataagc 60
acaaaattta ccagttaca tttaaaaaac aaacaaaaaa cgacaacaac tcaagcaccc 120
gctctgtgca tagcactatt cttagtgcaa taaaaggaa tcttaacctt agaaatatga 180
gttcactttc tggaaattgtta ttatctcctt ttccagagag taaaaataaa taaaatcacc 240
attgttact acagatctgc cccaaaccac atctggttca cagaaaggct aatttctgcc 300
aaattaaaga tgtaatgaac tcagttcctg ctttccaaa aacacgaaag cagaattcct 360
tttcactgaa aaaaataaaac agttttccat gcaagggcag tttgcttcta ataagtattt 420
tttaaaaaat tttttttcc tctagcttt cttaaattt tcttcctctta atattgcctt 480
ttcttgtaa aggcagacca ggtatcttt tatgctgttt ttccttact aagaaaaagta 540
ttgcatttg aagacaaacc atttcccaga gtagtgataa aaaataaacac taaaaaaaaact 600
ttaaaggta gtcacttcat caccttgatg aagtaaaaaaa 640

<210> 185
<211> 633
<212> DNA
<213> Homo sapiens

<400> 185
ggaaaaataa tttccactta gatattttac atggtttgcgtt taaaattac cattacttgt 60

tttttaaaaa cacatgacca catatgtata tgtatatcta cctaaacatt gtatcatggt	120
ttcagtagt tattcatgta ttactggag atgctaccaa gaaaccaacc caaagaaaat	180
tctggaaaat acatttctat ttatagaata aatgtttcat ttatataaaa gcaaaagaac	240
ttagagttct aataaatggg atgtctaata aattatgaag ttactgattt gaatatatta	300
tatTTTATA acttccttgc caaagtccctg atttagtaca ttagagaacc tgtgtttcct	360
ctctcctcta ccattcatct ctcttccata cagtcatttgg cttttttac tcaaagagaa	420
tcaagaata ataaggata acaagcttgg caaagtgttg gcttttaaa aaaaaatttt	480
tttaatctct agcagtttgg taattttagca gcatcattta tttgggattc ttttatctga	540
tttcaacagt gaaaaacatc cctatgataa agcctaattga cccatttcca aaagatggaa	600
ttgcccttcc tagaaaatat gacggagaaa agt	633

<210> 186
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>	
<221> misc_feature	
<222> (210)..(210)	
<223> n is a, c, g, or t	
<400> 186	
cgaatagcca agtggctctga caagatcgag agtaatgagg cccatacttt agtacagtct	60
tgaatggcca gatggctgctg ggcataccccc aaccagagat atgtaagtct ttatgttgc	120
aaaatttccc agaaacatga atttcccact aagattcatt aaggaaaact agaatgaaaa	180
caaaaacgtt cttgtataa tattcattaa aaagaaaatga agaaggccgg gcatggtggc	240
tcacgcctgt aatcccagca ctttgagagg ccaaggtagg cagatcatga ggtcaggagt	300
ttgagaccag cctggccaac atagtgaaat cccgtctcta ccaaaaatac aaaaaaatta	360
gccgggcatg gtggcacaca cctgtcatcc cagctactca ggaggctgag gcaggagaat	420
tgcttgaacc tgggaggtgg aggttgcagt gagctgagat tgcaccactg tactacagcc	480
taggtgacag tgcaagactc tg	502

<210> 187
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (305)..(305)
 <223> n is a, c, g, or t

<400> 187
 cctatccaa actaaagaaa gcttcctgg cttacaggcc taaaggttca aatgnggatt 60
 aaaaaaaaaacac agtagtcaca taaaatgtot gctggctggc tggaattcca tcacctacaa 120
 ttacacctgct ttcaaaaact gtgttcaaca ttgagaaaaac agaaaaccac ttatcttgag 180
 cttaatatgg gttttttt ctttaactgt agaacactta ctgaaatatac aaatcaatgg 240
 ttaggatatg tttttttttt ctttaactgt agaacactta ctgaaatatac aaatcaatgg 300
 aattnacctc ctaaat 316

<210> 188
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 188
 cttcatgagt gcccgggtgc ccaagtcaaa aacctggag tgatataaac tccccacaca 60
 tccagtcagt cactcatcaa ctctattgtat tctgctgcta aatatatctc aattgttatta 120
 acttaaacat atgcataata catcttcttc ttcactgcat ttttgtggc tgcacttacc 180
 tttcaggtaa caacaacact ggcccttgc gcccttcttag tcagaagtgc caaatgtatg 240
 agagctagcc atgacaaacc cacagccaaac attacactga atgtcaaaa ctggaaggc 300
 atccaaacag aggagg 316

<210> 189
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 189 tagaattctc gcctgccttg gcttctccct ctagttgttc cttctctgtc ttctgtggc 60
 ttcttattgt ctgctcaact cttcttcagt gtcctctcat gggcttcctt cccttctcag 120
 ctgatgccat cacctggga atcacagtta ctcagcagca ctggggcctc tctatctcta 180
 tgctggtcat gcctatgtgt gagctgcaga cccagtgaa tttccatttg tgcatcccatt 240
 gcccagccca ccctccacca gcctcgaatg cagctgttca gccctacccc agtcctcaga 300
 aaagttcctc tccctggatc ctcttttcc ttcatgagtg cccgggtgcc caagtcaaaa 360
 acctggaggt gatataaaact ccccacacat ccagtcagtc actcatcaac tctattgatt 420
 ctgtctgcta aatatatctc aattgttatta acttaaacat atgcataata catcttcttc 480
 ttcactgcat ttttgtggc tgacttacc tttcaggtaa caacaacact ggccctctt 540
 gcccttctag tcagaagtgc caaatgatg agagctagcc atgacaaacc cacagccaac 600
 attacactga atgtcaaaaa ctggaaggc atccaaacag agga 644

<210> 190
 <211> 631
 <212> DNA
 <213> Homo sapiens

<400> 190 ctgaggtggg aggattccac tctcacccat ttcttcttc atttcagtt tctccagtt 60
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 ataaaaaagaa ccatgttaac ataaatattt cagtccttac aagttggtat tgactttct 180
 cattggtaat ctgactgatt taatactgct cattccaata tctggtgatg taattctggt 240
 tatgaatcct tgtattaata acacccctg ggaggtttt tttccccaaac attacattca 300
 gaatattaga gctgaaaata cctttttaa ggttatcagg aggagggagc ttatgtttaa 360
 tgtggtgat aaaacttaac tgctggtaa tacaattgtt attcaggtga aattccctaa 420

acttttcacg tgcaaagttt tgtatgtata cagacattt gggaaaagtt ttatcatccc 480
taaaaccggt tactgtccag aaaatgataa gaatccctgg gttccaaatc ctgcataagg 540
tatttattca tttatattt caacacattt actcaatgcc tccgctctgc tgcaactaca 600
ctgacattct gcttctaatac taaccgaaaa t 631

<210> 191
<211> 638
<212> DNA
<213> Homo sapiens

<400> 191
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tggacaaaag gcaatgtaat ttatttcaa gtatttctt gaaagtctgt gctcataaaa 120
atcatgaaaa gttggaaaga ctgttaatac actgaaactt caaatatatac ttacacaatc 180
ttgttgtac aaaaataca aaaaaatata aacataaagc aatcatggta attttatgca 240
aatctgtttt atgtgatcat cagttatata taaaagttt tcagttctgt tatttgtgaa 300
aagatcaata ccagattgaa tgactaccta ttggcaaagg gccctaaaaa gcttacttta 360
gcactcatct tttacatggt taaatgcatt tcctaattt agatcaccta aacactggaa 420
aagaaaaaaaaa atgaaagggc agtatgtcca taaaccaaca aataatttgg ctgtaatgta 480
tcataaaaaca caaacccac acatctgtac aataaacatt atgtattaca tacacacaac 540
acacacccag tcataaagcc taatgatgtg ctgcttccag ttcaatattc agctgtgcat 600
tttttcttat ttcatcaaataa atgatgtttt ttgtcacc 638

<210> 192
<211> 283
<212> DNA
<213> Homo sapiens

<400> 192
gtaaaactgtt ctctccgagg gaaaaaatgg aagttatcct cacagttcac tgccgtggta 60
tttcttctgt cccatgctt gcatgactgc catggtagag cttgtttca aactgttcac 120
tgtgatctgt gggctttga gttcagtgaa gtttgctgaa atgtcgaaga agtagttcca 180

aacttcaatg ttcaatgaaa ttttgttca agttgaaat ggagagagca gcttaaaag 240
gtactaagcc ttttacaaat tggtgagtac tggcacatga gat 283

<210> 193
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 193
tttttttt tccttaaaag gtaacccta aacacagcta aaactatgcc atcagctgac 60
tccaaggnac acacagtcct gatatggaa ctactgagtgcaggcatct ttctctgcct 120
ctgacagtgg agtccccatc actgcagagc atagccaaag gagtcaaagg tctcagcggg 180
tcactgcctt atcaaccctc accagtcct tatgttttt aatattttat aatcttgaca 240
tgacaccaag atgcttaat aaaaaagcac ctctaactcg gtcttgatt cacttacctt 300
gagcctggga cttctctagg ctccctgaggc aaaaacaggt agaggggaga tggtggaaaca 360
taaaacacaa ttttgcttgg cacccacctt ggcgtctgtc cccatgacca ggtctttcaa 420
ttcgatgatt ttgtcattga tggaggagcg atatcgtttc tcaatgatat tatgggttgt 480
ccgcctttct ccttcttgg ggggctcaag ctgcttgact cccccaggtt cctgcttaat 540
ggggcacttt ctcttgcccc atcattacag gcattgtggt cagaatggtc ccactgctgc 600
ccaccagggt cta 613

<210> 194
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 194
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 attgtggccg ggcgcgggtgg ctacgcctg gtagtcccag cactttggga ggctgaggca 120
 ggtggatcat gaggtcagga gatcgagacc atcctggcta acacggtaa acccgctct 180
 actaaaaaaaaa atattaaaaaa attggccagg cctgggttg ggcgcctgtg gtcccggtg 240
 cttgggaggc tgaggcagga naatggtgtg aaccggaaag tcggaggttg cagtgagcca 300
 agattgcacc tggcaacac agcgagactc cgtctcaaaa aaaaaaaaaaa 350

<210> 195
 <211> 541
 <212> DNA
 <213> Homo sapiens

<400> 195
 caattattta ttaccttcc atttggtcgc ctgatgatgt gacaatgcat ggtcttttg 60
 catgctgcta gacactttc tttccagcc gaaaagtcta ttatgtaatt ttacattca 120
 taatttaat gtggatgatc aggattaaat caagatatat atctggaaacc tcttataaat 180
 ggagcactta gaaattttgtt gttctgcact taacctagag agagaaaaaa tgctttctt 240
 tgtaaaaat ctgaattcct gtcctgacct tctgtatgt ggaaacccta ggctctgaga 300
 cacactctct ggtgtctgag acagaaccaa agcaataacg ttgtatgcc cacaggcctg 360
 gagccagcta gcgaccttgt gccgcccagc tgtccatggc ccgtgcagag cagaggacag 420
 tgagtgtctg cactgagaac cttaaaccac agttgaacat acccacacct gtttgtctta 480
 agctatagtg taaaaacaaa gtttgggctc tgaaaattta actgaaaaag atttccttgt 540
 t 541

<210> 196
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 196
 gtggcagcag gcgcagccca gcctcgaaat gcagaacgac gccggcgagt tcgtggacct 60

gtacgtgccg cgaaatgct ccgctagcaa tcgcatcatc ggtgcagg accacgcac 120
catccagatg aacgtggccg aggttgacaa ggtcacaggc aggttaatg gccagttaa 180
aacttatgct atctgcgggg ccattcgtag gatgggtgag tcagatgatt ccattctccg 240
attggccaag gccgatggca tcgtctaaa gaactttga ctggagagaa tcacagatgt 300
ggaatatttgcataaataa ataatgaaaaa cctaaa 336

<210> 197
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<400> 197
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gaccaggta tgctgcact cacacgcttc aattcaagac ctgaccgcta gtagggaggt 120
ttattcanat cgctggcagc ctcggctgag cagatgcaca gaggggatca ctgtgcagtg 180
ggaccaccct cactggcctt ctgcagcagg gttctggat gtttcagtg gtcaaaatac 240
tctgtttaga gcaaggctc agaaaaacaga aatactgtca tggaggtgct gaacacaggg 300
aaggctcggt acatatttga aattatgagc agaacaataa ctcaactaaa tgcacaaagt 360
ataaaagtgtatccatgt 377

<210> 198
<211> 63
<212> DNA
<213> Homo sapiens

<400> 198
tactcaatga aaaaccatga taattcttg tatataaaat aaacatttga aaaaaaaaaa 60
aaa

<210> 199

<211> 565
 <212> DNA
 <213> Homo sapiens

<400> 199
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 aacatctgtg ttggggagag tggagacaga ctgacgcgag cagccaaggt gttggagcag 120
 ctcacagggc agaccctgt gtttccaaāa gctagataca ctgtcagatc ctttggcattc 180
 cgagagaaatg aaaagattgc tgtccactgc acagttcgag gggccaaggc agaagaaatc 240
 ttggagaagg gtctaaaggt gcgggagtat gagttaagaa aaaacaactt ctcagataact 300
 ggaaactttg gtttggat ccaggaacac atcgatctgg gtatcaaata tgacccaagc 360
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 gacaagaagc gcaggacagg ctgcattggg gccaaacaca gaatcagcaa agaggaggcc 480
 atgcgctggt tccagcagaa gtatgatggg atcatccttc ctggcaaata aattcccgaa 540
 tctatccaaa agagcaataa aaagt 565

<210> 200
 <211> 629
 <212> DNA
 <213> Homo sapiens

<400> 200
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 aataagagaa aatagagaag agaacaattt agaaaaataa ttgaaaccaa aaggtggttc 120
 tttgaaaagc ctaacaaaat ggacacatct ttagtttagag tgaccaagaa aaaagggcag 180
 tgactcagat tactcattc aagagtgaaa gagggcacat cactaccaat ttacagaaat 240
 aaaaaggatt atgagggaaat actacagata attgatgaca ttaacttaga agaatatatt 300
 tcaagaaaga cacaaactac tgaaccgac tcaagaagaa acagaaaatc tgaacagacc 360
 tataaaaaat agagattaa ttgatattca gaaagttcc caaaaagaaa agcactggcc 420
 aagatgactt cactggtgaa ttctatcaag tgtcaaagat gaattactga cattcattca 480
 cactccttta agaaatagaa gagggcacat cactttcaa agcatcgaca ttctaattcat 540

tagtcccttg	gtttcctgct	cccaaagcca	ggtgatgtat	cacaaaaaaa	cccctacaga	600
cccaactgggc	acaatggctt	tatgcctat				629
<210>	201					
<211>	98					
<212>	DNA					
<213>	Homo sapiens					
<220>						
<221>	misc_feature					
<222>	(13)..(13)					
<223>	n is a, c, g, or t					
<220>						
<221>	misc_feature					
<222>	(35)..(35)					
<223>	n is a, c, g, or t					
<220>						
<221>	misc_feature					
<222>	(68)..(68)					
<223>	n is a, c, g, or t					
<220>						
<221>	misc_feature					
<222>	(91)..(91)					
<223>	n is a, c, g, or t					
<400>	201					
ctttgctcga	atngtcagat	aaggattctg	tgaanggaga	tgagattcc	atccatgctg	60
actttganaa	tacatgttcc	cgaattgggg	nccccaaa			98
<210>	202					
<211>	224					
<212>	DNA					
<213>	Homo sapiens					
<400>	202					
ctcaagtgtt	ccctcagctt	aggctttgtt	taaatgatcc	cacccagggg	cgatggtagg	60
gaacaacagg	gtcactaac	tatggctg	gctacaactc	tggaaatgg	taagacaggg	120
aaaggccatg	ttgttcattc	ccttgtgcag	atctagggag	aaccgcagag	agaacagtta	180
gcatttcttg	ttcaatgaat	tatcctatta	agaacactgg	atgt		224

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<210> 203
<211> 81
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 203
cggnccgggt cgacgctact cctacacctatc tccccctttta tactaataat cttataaaaaa      60
aaaaaaaaan aaaaaaaaaaa a                                         81

<210> 204
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<400> 204
ggcatgtgcc tgttagtccta gttgctgagg taagaggatt gcttgagccc aagagttcaa      60
ggctgcaaca agctttgatt gcgccactgc actccancct tggcgacaga ctaaaacgct      120
gtctcaaaaa aaaaacaaaa acgacnaaaa aaaaacaaaa cagaaaaaat taacttaggc      180
aatgacagtc cctggcaa at gctgggaggg aggcaacant ggtcaaggaa ggtaaccctg      240
aancaggact tgtaaagcaa ataanattgg gagggcaagg tgggtggatc acnaggtcag      300
gagttcgaga ccaacctggc caacatagtg aaaccccgtc tttctaaaaa tacaaaaaaa      360
tt                                         362

<210> 205
<211> 581
<212> DNA
<213> Homo sapiens

<400> 205
gacaaaagaa ccatttggat acataggtat ggtctgagct atgatatcaa ttggcttcct      60
agggtttatc gtgtgagcac accatatatt tacagtagga atagacgtac acacacgagc      120
atatttcacc tccgctacca taatcatcgc tatccccacc ggcgtcaaag tathtagctg      180
actcgccaca ctccacggaa gcaatatgaa atgatctgct gcagtgtct gagccctagg      240
attcatctt ctttcaccg taggtggcct gactggcatt gtattagcaa actcatcact      300
agacatcgta ctacacgaca cgtactacgt tgtagtcac ttccactatg tcctatcaat      360
aggagctgta ttgccatca taggaggctt cattcaactga tttccctat tctcaggcta      420
caccctagac caaacctacg caaaaatcca tttcaactatc atattcatcg gcgtaaatct      480
aactttcttc ccacaacact ttctcgccct gtccggaatg ccccgacgatc actcgacta      540

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ccccgatgca tacaccacat gaaacatcct atcatctgga g

581

<210> 206
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 206
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tttccaattt tcttcgctt ggattttacg tgataagttt tttcccccatt tttactttta 120
ncaactctat attttttagt tgagggttggg tttcttgtaa acagcatata atttgggaaa 180
tttaatccaa tctgaaaatt aatgtccta attttgtt tataaccattt acacataatg 240
tactcatata taaggttaa ctgaaaccta ctatcttgct agtttgctc tacttgaatt 300
tttttttagt attctgtttt aattgaccaa catttgactg tatctctttg tgtaattttt 360
ttacagggtt ctgttaggcat gacaatatat acacttaact tttctcagta cactgagagt 420
tgaaattgta gtacttcgag gaaaacatag aaaacttgca atgatatcggtt tacattttt 480
ccacccat atgttgcattt tattaaatgtt attagatctg cctacccatca aaacccatca 540
gtcttttaac ttgcctctca atggtgattc atattttaa aaaaacttga ggcaa 595

<210> 207
<211> 522
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (504)..(504)
 <223> n is a, c, g, or t

<400> 207
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 cctttttgga accaaaaggg agggatttga caatattgtat ggttagatctt ttttcttttag 120
 caagaattaa ggatttttgtt ggggtgggggg aggcttctgt ggggaccaag acaatgtact 180
 gtcagtcagg atttaagtgc aactaccta tcccttgcgg cagagaacag ttgatcgtgt 240
 tttaaaccaa aaggtgcgga atggagagag ggaggcggtg cattgcagct tccgatagag 300
 ctttttatcc ttggatcatca ggaaccaatt ttgaagattt cttaagaaag tcatttacat 360
 cagggacatg aagagcaaag taggtatccc tggtcagttac ttgaatttga taggctttat 420
 gcaaacaact ctccctctgc tggagtctgg caagtttgct tttcaactgga cgctaattca 480
 agtgcatac aaaactaaaa taanagtttt acttataaca ca 522

<210> 208
 <211> 585
 <212> DNA
 <213> Homo sapiens

<400> 208
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 taaaccttgg ttgtgatgtt gactttgatt ttgctggacc tgcaatccat ggttcagctg 180
 tctttggta tgagggctgg cttgctggct accagatgac ctttgacagt gccaaatcaa 240
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 acacttcagt aaaccttgct tggacatcag gtaccaactg cactcgcccc ggcattgcag 420
 ctaaatatca gttggatccc actgcttcca tttctgcaaa agtcaacaac tctagcttac 480
 ttggagtagg ctataactcag actctgagggc ctgggttgaa gcttacactc tctgctctgg 540

tagatggaa gagcattaat gctggaggcc acaagggttgg gctcg 585
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<210> 209
<211> 624
<212> DNA
<213> Homo sapiens

<400> 209
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gtathtagct gactcgccac actccacgga agcaatatga aatgatctgc tgcagtgctc 120
tgagccctag gattcatctt tctttcacc gtaggtggcc tgactggcat tgtattagca 180
aactcatcac tagacatcgt actacacgac acgtactacg ttgtagccca cttccactat 240
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ttctcaggct acaccctaga ccaaacc tacccatcc atttcactat catattcatc 360
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tactcggact accccgatgc atacaccaca tgaaacatcc tatcatctgt aggctcattc 480
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cgaaaagtcc taatagtaga agaaccctcc ataaacctgg agtactata tggatgcccc 600
ccaccctacc acacattcga agaa 624

<210> 210
<211> 338
<212> DNA
<213> Homo sapiens

<400> 210
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acacattaa ttcatgttct cttccctaag aggctgccgg agttggggcc tcctccagca 120
gagaccctcg gaccctgca gggcctggac ttggggtgaa cagggctca gtcagcgcaa 180
gtattccatt tgcatttggt aattttcat gccacctatt tatgaatata taaatcttta 240
taccaaatttct attttttaaa acatggaaaa gttgcctta tggaaacttg gcagagccag 300
agtgtacaca ttccctaaacc attaaacaga ttctata 338

<210> 211
<211> 556
<212> DNA
<213> Homo sapiens

<400> 211 ggataatgat acctctgacc tttcttcctt ttggaaagta cttgagtgtg cagctgcatt 60 aggcctcagc aggagagaga ttttaggtcc aagaagctat accagtagga caaggcagga 120 aaatactaca ct当地caggat caagcccctc tgactctcat ttggaaactg gatgtttgct 180 aagcacctgc ttcttaagga tgccgaggga tttaatgata ctccccagaaa cctggagaga 240 tt当地atggggc ctatggagaa gtgctctgaa ctcagtggttggacttgaat aaaattaacc 300 attgtcatgt tt当地cagaaca actaagctgt tt当地tatattc atgtgc当地atgaa aagccctaga 360 actaagttgt gttatattcca gaaatgaaat agatcccaca gtttagatgat gtggccattt 420 ggaagttacca aatttataaa aatcactgga ggtctgtctg agcagttaccc aataaaaat 480 agtatactgaa aagtgaacag atctttgtct ct当地tcttgg ct当地cttgata ct当地tatctgt 540 qtctgccgga cagtgc 556

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<210> 212
<211> 305
<212> DNA
<213> Homo sapiens

<400> 212 caataaaaagc aggttaacct caatgatagc agttaaaaatg ttcttatctta tgtatttctt 60
ttaagtatta ccattatggc gctactgagc gttttctttt ggtaaaaaga aaaatgccat
gggctgcagt cttcttccat cactttccc taccagggtcc attaatatgc ttataaacact 120
agtgccagtt attttatttg ataatgctta tggtatttgt atatttgttt gcattccaat
tttggtaat aatgagtggtg taaactgcat acgttaaata aatgtaaata ctaatgtact 180
qctgc 240
300
305
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<210> 213
<211> 495

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<400> 213
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cacttgcatttgcactgactgttttg ggataactct ttgagtattt ggagaggctt attgtactt      180
ctgaaaggca ttgttttac gtatgaatgt tctaaaattt attctaaatg gtcattaaaa      240
gaaaaggatt cacatttttag aatggcaata gtccctgagg actattatgt cttagatt      300
tcctgtgggt ttcttagaat gtttgttaa cttanatttc cacctacctg atttctggat      360
gtgcctatttgcacttgcgttggat ttccctttaa catgttgtcc cttgaccgg      420
tacttcgaaa ctaaacatat tattttattt gtttacactt caggaggcaa ttggcagaca      480
ccaggccaaac agtct      495

<210> 214
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 214
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atgacattgc ttgggtgtcag ctgacagggg ctctggccac agcttgtgg gatgacgcga      120

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tccgcgtgtt tcaggaggat cccaactcg^g atccacagca gcccac^cttc tccctgacag 180
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ataagacttt accagccc^cct gagaggacca ggaggagcat cttgac^cttt catttaactt 420
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<210> 215
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<212> DNA
<213> Homo sapiens

<400> 215
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<210> 216
<211> 576
<212> DNA
<213> Homo sapiens

<220>
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<222> (566)..(566)
<223> n is a, c, g, or t

<400> 216
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atcttgctag agaggccaac attaaaattc agtaaatgct gaaaactcca gtaagatatt 180
tcttaagaaa attattccca agatata^atc tcatcaa^att atctaagg^tc aaatgaagga 240
aaaaatttta taggcagcta gagagaaatg tcaggtcacc tacaaagaga atggcataag 300
acaaaaagta gaactcccag cagaaactct aaaagccaga agagattagg ggccaatatt 360
taacattctg aaagaaattc caacaaggaa tttcatatcc agccaaacta agcttcataa^a 420

ttgaaggaga aataagatat tttccagaca agcaaatgct gatgaaatcc atcaccacca	480
gacctgcctt ataagagctc ctgagggaaag cactaaatat tgaaaggaa gaactttatg	540
aaccatttca aaaacacatt taagtnncaca aagcag	576
<210> 217	
<211> 341	
<212> DNA	
<213> Homo sapiens	
<400> 217	
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aaggccccgt gatttcctga gcctaggagt ttgagatcg cctggcaac atggcgaaac	180
ctcatctcta caaaacatac aaaaattagt cagtgtggtg gtgagagcct gtgtcctgg	240
ctactcgtga ggctgaggtg ggagcatcac ctgagcctgg gaagtcgagg ctgcagtggc	300
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<221> misc_feature	
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<223> n is a, c, g, or t	
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ggcgaggtgg catgtgcctg tggtcccagc tacttggag actgaggtgg aaggctgcct	180
tgagcccagg agttccaggc tgcagtgagc catcattatg ccactgcact ccaacctggg	240

agacagagtg agagagaccc tgtctcaaac aaacaaaccc aaaataggcc aggcacagtg 300
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gagttcaa at tcaagaccag cccggccaac atggcaaaac cacatctcta ctacaataa 420
aaaattagtt gggtgtggng ggcattcct gtaatcacag ctattcagga ggctgaggca 480
tganaaccgc ttca 494

<210> 219
<211> 379
<212> DNA
<213> Homo sapiens

<400> 219
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tcacaccact gcactccagc ctgggtgaca aaggaagacc gtatttctaa aaaataaaaa 180
atacaaatac aactacaaac tagcactaga ccaacagtga ctatgtacca tgaactgagg 240
aatattatta attccaccat ttgcattctga ggttaacaat atgtcaatga cttaaataac 300
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ttttttccat tcaacaaaa 379

<210> 220
<211> 421
<212> DNA
<213> Homo sapiens

<400> 220
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agacgattgt atgaagaaaa tatggagggaa ctgttacatg ttcggtaacta agtcattttc 180
aggggattga aagactattg ctggatttca tcatgtcgac tggcgtagc tgattaaccc 240
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ctccctgatc cccactctta ctcatcacct gcagtggcca gaatttaggga ctcagaatca 360

aaccagtgt aaggcagtgc ggctgccatt gcctggcac attgaaattt gtggcttcat 420
t 421

<210> 221
<211> 598
<212> DNA
<213> Homo sapiens

<400> 221
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ctttcaagag ccctatgata catgaattt tctccatttt atagatgagg aaattaagac 180
ctagagttac tgaacttgcc caaggttata cagctgatgg gtagggccag aactttgcct 240
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caaagaaatg cacatttaag gaagacagtg cacatttaag gaagacagta accttttatac 360
tattagagaa aaacacacat tctgtcttta acacacacat aaatcttata ttggcaggga 420
ttttctttat tcagcaatta tttattgggtt gtctgcttgc tggtacacat aaatgctggg 480
gataaacact taataaaata tacttccttc tcttgaatat ctgcacttt aagtggaaag 540
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<210> 222
<211> 473
<212> DNA
<213> Homo sapiens

<400> 222
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gagagggcta cttgtgaag aaggggagcg tgtcaatac gtggAAACCC atgtgggttg 120
tattgttaga agatggaaattt gaattctata agaagaaaag tgacaacagc cccaaaggaa 180
tgatcccgt gaaagggagc actctgacta gcccttgtca agactttggc aaaaggatgt 240
ttgtgtttaa gatcactatg accaaacagc aggaccactt cttccaggca gccttcctgg 300
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gtgccttata tttgtccatg aaagacactg aaaaaggaat aaaagaactg aat 473

<210> 223
<211> 392
<212> DNA
<213> Homo sapiens

<400> 223
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ctcccgattg aagccccat tcgtataata attacatcac aagacgtctt gcactcatga 180
gctgtccccca cattaggctt aaaaacagat gcaattcccg gacgtctaaa ccaaaccact 240
ttcaccgcta cacgaccggg ggtatactac ggtcaatgct ctgaaatctg tggagcaaac 300
cacagttca tgcccacatcg cctagaatta attccctaa aaatcttga aatagggccc 360
gtatttaccc tatagcaccc cctctacccc ct 392

<210> 224
<211> 618
<212> DNA
<213> Homo sapiens

<400> 224
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tgtctgattt tcagttaat ggcaagttac ttaaaataaa tgaaatatgt ttttattgtt 240
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aggaaattgaa tatattttta catttgaatg aactaaggat taactgaacc atttatatat 480
agtactttca gaactgaatg tcttaaatga taaagctcta attggtaaaa gtgactttct 540

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gaacatcctt gcaaaggta gctgaaagca aattgctgtt ttcctggtgg ttctgcacgt	180
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<211> 535	
<212> DNA	
<213> Homo sapiens	
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<223> n is a, c, g, or t	
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<222> (279)..(279)	

<223> n is a, c, g, or t

<400> 227
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ccagttact gacactggga ctattactat atctcttgg gcctcagttt acttatctgt 420
aacattaaga ggttggatta catgatgtct cacgattctt ttttttatt tagagatggg 480
gtttgctct gttgcccagg ctggagtgca gtggcatgat catagctcac agcag 535

<210> 228

<211> 392

<212> DNA

<213> Homo sapiens

<400> 228
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aacacttctg gaagggagag tggatttggc tggccatct ggatggaagg taaaaaaaaag 360
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<210> 229

<211> 419

<212> DNA

<213> Homo sapiens

<400> 229

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aagaaccaaa tacctaatt tttgttttg agtactgtac tatcctgtaa atatatctta 240
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acagttgtat gtttgctgat tatttatgac ctgaaataat atatttcttc ttctaagaag 360
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<210> 230
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (551)..(551)
<223> n is a, c, g, or t

<400> 230
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ttattcctcc ttgtttcaaa acaggattta agggcactta tatatatata ttttttagtt 240
tttttaatgt aaatgagaga ataaagatat atatatatgt ctatatatgt atatatgtat 300
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atgaaatcca ggttcaaca ggactgggtt cccttctagc tcattcagct acctggctca 540
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<210> 231

<211> 350
 <212> DNA
 <213> Homo sapiens

<400> 231
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<210> 232
 <211> 493
 <212> DNA
 <213> Homo sapiens

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 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<400> 232
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493

<210> 233
<211> 577
<212> DNA
<213> Homo sapiens

<400> 233
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<210> 234
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<400> 234
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aaaactggggg	atattatgaa	gggccttg				568

<210> 235
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

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<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 235
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<210> 236
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

<400> 236
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tccttgcag gacactcctt ctgngaaattt aacctatact gcagagggtgt ctgtccctaa 540

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<210> 237	
<211> 572	
<212> DNA	
<213> Homo sapiens	
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<222> (5)..(5)	
<223> n is a, c, g, or t	
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<222> (568)..(568)	
<223> n is a, c, g, or t	
<400> 237	
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<210> 238	
<211> 482	
<212> DNA	
<213> Homo sapiens	
<400> 238	
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ac 482

<210> 239
<211> 545
<212> DNA
<213> Homo sapiens

<400> 239
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aaaaagcttt acctaagttt tgaagaatag gtttttcata atggaaaatt taaggggaaaa 120
atctccaaaa aagtgcatac caagtttat ccattgtat ttccaacaca gcctaggaca 180
gtacctgcac atagtaggtg attaataaaa atttagaaag cattaatact aaagagggaa 240
aatagcaatg gcaagaaaac acatgttaggg aacacatgta gccaaaaaat aatatataat 300
cagagaaata ataggacttc tgaaaaaaa agatgagatc agattggta ggatctttac 360
taacatgaca agagcatgaa tttttttct gtagataata agtataaag aatttttagct 420
taaaaattag cataatttgg atccacatat gcaaataat gaatgttaatt cataatataa 480
acagaactaa acacaaaaac cacgtgatta tctcaataga cacagaaaag gccttcaaaa 540
aaatt 545

<210> 240
<211> 624
<212> DNA
<213> Homo sapiens

<400> 240
gacacacgag catatttcac ctccgctacc ataatcatcg ctatccccac cggcgtcaaa 60

gtathtagct gactcgccac actccacgga agcaatatga aatgatctgc tgcagtgc 120
tgagccctag gattcatctt tctttcacc gtaggtggcc tgactggcat tgtattagca 180
aactcatcac tagacatcgt actacacgac acgtactacg ttgttagccca cttccactat 240
gtcctatcaa taggagctgt atttgccatc ataggaggct tcattcactg atttccccta 300
ttctcaggct acaccctaga ccaaacc tac gccaaaatcc atttcactat catattcatc 360
ggcgtaaatc taactttctt cccacaacac tttctcgcc tatccggaat gccccgacgt 420
tactcggact accccgatgc atacaccaca tgaaacatcc tatcatctgt aggctcattc 480
atttctctaa cagcagtaat attaataatt ttcatgattt gagaaggcctt cgcttcgaag 540
cgaaaaagtcc taatagtaga agaaccctcc ataaacctgg agtgaactata tggatgcccc 600
ccaccctacc acacattcga agaa 624

<210> 241
<211> 421
<212> DNA
<213> Homo sapiens

<400> 241
caagatgaca aagaaaagaa ggaacaatgg tcgtgccaaa aaggccgcg gccacgtca 60
gcctattcgc tgcactaact gtgcccgtat cgtgcccaag gacaaggcca ttaagaaatt 120
cgtcattcga aacatagtgg aggcccgcagc agtcagggac atttctgaag cgagcgtctt 180
cgatgcctat gtgcttccca agctgtatgt gaagctacat tactgtgtga gtttgcaat 240
tcacagcaaa gtagtcagga atcgatctcg tgaagccgc aaggaccgaa caccggacc 300
ccgattttaga cctgcgggtg ctgccccacg tccccccacca aagcccatgt aaggagctga 360
gttcttaaag actgaagaca ggctattctc tggagaaaaaa taaaatggaa attgtactta 420
a 421

<210> 242
<211> 539
<212> DNA
<213> Homo sapiens

<400> 242
tgcttggccc tctacccctt gcccctttcc tgttcatctc ccaaccactg cactcttcat 60
ttttatacca cacagaaggt aagaaaattc taggaaccct aaggatcaat cctctccatt 120
ttcactcaaa tgcctggggc ccagctctgc aatgactgac tccagggcct ctccctcac 180
tgccagcata gaagtcaaggg gagccagctg ggccctgcgg tcaggaaggt tctcatttt 240
ggagcattcc ctgagccccag atcataggag cagctgtccc tggtggaca caggagtcat 300
gactcctacc ctccaccctc cacacccacc aggcatattag cagtctgtcc tatgcaagac 360
agatgaattc tcagccagga tacctaagg caggcaaagg tgagtggagg gaaaattcac 420
aacacattcag ggtgtgttgt gctggcatca ccatggccaa atccaagagg tcttcctgga 480
agagggccca aactggaacc aaaagaatgc tgtcagcagt tggaatagag ctgtgaatt 539

<210> 243
<211> 397
<212> DNA
<213> Homo sapiens

<400> 243
cttccaaga ggaatcctcg gcagataaac tggactgtcc tctacagaag gaagcacaaa 60
aaggacagt cggaagaaat tcaaaaagaaa agaaccgcg gaggcgtcaa attccagagg 120
gccattactg gtgcattctct tgctgatata atggccaaga ggaatcagaa acctgaagtt 180
agaaaggctc aacgagaaca agctatcagg gctgctaagg aagcaaaaaa ggctaagcaa 240
gcatctaaaa agactgcaat ggctgctgct aaggcaccta caaaggcagc acctaagcaa 300
aagattgtga agcctgtgaa agtttcagct ccccgagttg gtggaaaacg ctaaactggc 360
agatttagatt tttaataaaa gattggattta taactct 397

<210> 244
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (535)..(535)

<223> n is a, c, g, or t

<400> 244
cttgataga gaagaaaatt ctccctaggat acaagagcct caacattta aagattttct 60
gcatctcaaa agcgtaggct ccttgctggg caaggtgagc ctctgtgagt cctcatagga 120
ccgagcaaat ctgattcacc ccagaaaaatc caatatcgaa gctgagctt ggccctgagcg 180
ggttccattt cctccccaga tcctattnag gaagtgtctc ctgacaacctt ccaaaagggtg 240
ctaacatgca acgttctgaa gggttattgc tcaaaaaacaa gatttcctt gtggtaaga 300
ctctgcgagc ctcgaacacg atgaatccgc tcgaatggc ttgggcttg cccgggtggc 360
gcacgctcac acgctggaag cacagcttg acgatctcca cacacgcaca ggcacacacg 420
ccacagatga tgccggctca ttctcagggg gtgtctaagt tctgctttaa atatttaccc 480
cctaattgtt caaacaatag gggcatgagc ctggtaactcg ataaatgggg acttncttaa 540
aa 542

<210> 245

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (615)..(615)

<223> n is a, c, g, or t

<400> 245
ctacagcctg ggcagcgcgc tgcccccag caccagccgc agcctctacg cctcgcccc 60
gggcggcgtg tatgccacgc gctcctctgc cgtgcgcctg cggagcagcg tgcccggt 120
gcggctcctg caggactcgg tggacttctc gctggccgac gccatcaaca ccgagttcaa 180
gaacacccgc accaacgaga aggtggagct gcaggagctg aatgaccgct tcgccaacta 240
catcgacaag gtgcgttcc tggaggcagca gaataagatc ctgctggccg agctcgagca 300
gctcaagggc caaggcaagt cgccctggg ggacctctac gaggaggaga tgccggagct 360
gcgcggcag gtggaccagc taaccaacga caaagccgc gtcgaggtgg agcgcgacaa 420

cctggccgag gacatcatgc gcctccggga gaaattgcag gaggagatgc ttcagagaga 480
ggaagccgaa aacaccctgc aatctttcag acagggaaatc caggagctgc aggctcagat 540
tcaggaacag catgtccaaa tcgatgtgga tgtttccaag cctgacctca cggctgcctt 600
gcgtgacgta cgtancaata tgaaagtgtg gctgccaaaa accttgcag 649

<210> 246
<211> 600
<212> DNA
<213> Homo sapiens

<400> 246
gagatgtctc gctccgtggc cttagctgtg ctcgcgtac tctctcttc tggcctggag 60
gctatccagc gtactccaaa gattcaggtt tactcacgtc atccagcaga gaatggaaag 120
tcaaatttcc tgaattgcta tgtgtctggg tttcatccat ccgacattga agttgactta 180
ctgaagaatg gagagagaat tgaaaaagtg gagcattcag acttgtctt cagcaaggac 240
tggtctttct atctcttgta ctacactgaa ttcaccccca ctgaaaaaga tgagtatgcc 300
tgccgtgtga accatgtgac tttgtcacag cccaagatag ttaagtggga tcgagacatg 360
taaggcagcat catggaggtt tgaagatgcc gcattggat tggatgaatt ccaaattctg 420
cttgcttgct tttaatatt gatatgctta tacacttaca ctttatgcac aaaatgtagg 480
gttataataa tgttaacatg gacatgatct tcttataat tctactttga gtgctgtctc 540
catgtttgat gtatctgagc agggtgctcc acaggttagct ctaggagggc tggcaactta 600

<210> 247
<211> 331
<212> DNA
<213> Homo sapiens

<400> 247
cgaatgtgca ggtttggta ataggtatat atatgccatg atggaaatat ttatTTTT 60
aagcgtaatt ttgccaata ataaaaacag aaggaaattt agatttagagg gaggtgttta 120
aagagagggtt atagagtaga agatttgatg ctggagaggt taaggtgcaa taagaattta 180
gggagaaatg ttgttcatta ttggagggtt aatgatgtgg tgcctgaggt ctgtacgtta 240

cctcttaaca	atttctgtcc	ttcagatgga	aactctttaa	cttctcgtaa	aagtcatata	300
cctatataat	aaagctactg	atttccaaaaa	a			331
<210>	248					
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<212>	DNA					
<213>	Homo sapiens					
<400>	248					41
aaaaaaaaaaa						
aaaaaaaaaaa						
aaaaaaaaaaa						
aaaaaaaaaaa a						
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<211>	425					
<212>	DNA					
<213>	Homo sapiens					
<400>	249					60
aaaaaaaaacg						
aagaaaagtg						
acgacagtct						
gagggactta						
tgggagatca						
tcaagtgaac						
cactatatgt						
gtaatgttaag						
tc当地ggaaatg						
agaagagaga						
aggagaagga						
ggagagagct						
tattttaga						
aataatggct						
gaaaacatcc						
caaactttcc						
tttttttgag						
gaaagaaaata						
ggcataacaag						
ttcaagaaac						
tcaaggaact						
ccagagagga						
caattctaaa						
gacaccccct						
ctaacataca						
ttataatcaa						
attgtcaaaa						
gtaaaataca						
aagagaatct						
tttaaattga						
caagagaaaa						
gcagctggtc						
acgttcaagg						
gagttctata						
agaatttcag						
cagatttctc						
agcagaaaacc						
ttgcaggcca						
acaggcagtg						
ggatgataca						
ttcaaagtgc						
aaaaaaaaaaa						
aaaaaa						
<210>	425					
<211>	633					
<212>	DNA					
<213>	Homo sapiens					
<220>						
<221>	misc_feature					
<222>	(16)..(16)					
<223>	n is a, c, g, or t					
<220>						
<221>	misc_feature					

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<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (604)..(604)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (606)..(606)
<223> n is a, c, g, or t

<400> 250
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ataaaaacaaa ctcaaattgc ttataaaagt tcttccatg ttcccatttgc atgaaaagtc    120
ttacatcaca tataactggg aagcaggggt ccctcctcaa ttttcagaca ttttgaagg     180
atgacagttc tgtttggtag atgagtaaac ctctatattc ataagttcta aaatccttca    240
ttatgaggga ttcaaagtat ttataaaaac actgccctct aaaaatttcc tcagatctga    300
agtatggnc tggncctgaa tatacagtgt tattctatgt taaaaagggt gatccagaca    360
tgagacgcaa ctagttggtg cataagaagg ccccaacttgg ctatttcata tctacctaca    420
attgaccaaa aaaaattttt taggccagca attattattt agcttcgctc tttctagtg     480
aagaaaactgc aggctggatc agtagttcaa cagctaaaca gtcataaaat agtcattggc    540
atgttaaatt tctttcaatg cttcaaagat aaattccaat tctatttact tattcattgn    600
gacngnatta ctaaacaggt aaggatggga ata                                633

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<210> 251
<211> 251
<212> DNA
<213> Homo sapiens

<400> 251
ctttgggagg ccgaggcggg cggatcaatt gaggtcaggg gttcgagacc agtctggcca      60
acatggtgaa accccaactc tactaaaaat acaaaaagtta gccaaagtgtg gtggcaagtg      120
cctgtaatcc cagctactcg ggaggctgag acaggagaat cactttgaac ctgggaggcg      180
gaggttgcag tgagccaaga tcgtgccact gcacttcagc ctgggcaaca gagcaagatt      240
                                         251
ccgtccatct c

<210> 252
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (569)..(569)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (588)..(588)
<223> n is a, c, g, or t

<400> 252
ctttttcag ctttgcagac acctaaacat catgttaatta cctaaggaat tcccaagtgc      60
ctcttccagg ttatacgtgt aaatagctgt ttttatgcaa gattagtttag atactgctct      120
ttacaggatg agtgggtttg tctttggctg ggggggnctt aaatgtgttt ctaatgtgtg      180
tgtcaaataa ttacctgtta aacagactgc caatctggct gaagccaatg cttctgaaga      240
agataaaatt aaagcaatga tgtcgcaatc tggccatgaa tacgacccaa tcaattacat      300

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gaagaaacct ctaggtccac cacctccatc ttacacgtgt ttccgttgtg gtaaacctgg 360
acattatatt aagaattgcc caacaaatgg ggataaaaac tttgaatctg gtcctaggat 420
taaaaaagagc actggaattc ccagaagttt catgatggaa gtgaaagatc ctaatatgaa 480
aggtgcaatg cttaccaaca ctggaaaata tgcaatccaa ctatagatgc agaagcatat 540
gcaattggga agaaagagaa acctccttnt taccagagag ccatcttntt tct 593

<210> 253
<211> 211
<212> DNA
<213> Homo sapiens

<400> 253
gttgtgactc gttggcatgt gatctgaagt tcctgccctg cagctgacga gccagtgttt 60
caataattaa aaacaactca actcaactgtc ctccctgcctt gaatttgcattt attgcgcctt 120
gcatgtatgt atcacaatac cacatgtacc ccataaaatgtacaaatgttatgtcaa 180
taaaaaacaa aaattaaaat cccaaatttt a 211

<210> 254
<211> 247
<212> DNA
<213> Homo sapiens

<400> 254
gttgctagta gcggcaggaa gatgtcaggc tcactttcct ctgattcccg aaatgggggg 60
aacctctaac cataaaggaa tggtagaaca gtccattcct cggatcagag aaaaatgcag 120
acatgggtgc acctggattt ttttctgccc atgaatgttgc cctgtcctcc 180
ttgtttctct atttttgggtt atgaatgttgc gggttaccac ctgcatttag gggaaaattt 240
tgttctg 247

<210> 255
<211> 244
<212> DNA
<213> Homo sapiens

<400> 255

gtccccggga atcgcgccg cgtcgacggt ttattttcag tgcttgaaga tacattcaca 60
aataacttggt ttgggaagac accgttaat tttaaatgtt cttgcatttt gtaaatgcgt 120
tttatgttta aataaaagagg aaaattttt gaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa 180
aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaaat 240
tttt 244

<210> 256
<211> 433
<212> DNA
<213> *Homo sapiens*

<400> 256 tagaggcctg aataggtaga caatggcagc agcgaaaa atcacagtcc tattcatgcc 60
ctaattcggg agtgcgttgcatt aaaggacatt agagggagca ctttgacatc tgatccttg 120
aactgacgatc tgtgcaggct gcactccata gagctcactt ggccaaactg atttccttaa 180
ataaaagtgcgt gtgatttcca atgttagaaaa tattacatta gagcctattg aaatgattag 240
gaattgagga gctttcttt aggtggaaat gtgggtgtatg ctgtataactc acaaaaagtga 300
gatcattaaat attgcattgtc ctactttgaa tatcaggac cacagagaaaa tagcatgaga 360
aacgccttcc tgcagtcattc cactaaaaat gaatatgaac aaaaatgtgg aactctgctg 420
tcataqctct ccg 433

<210> 257
<211> 380
<212> DNA
<213> *Homo sapiens*

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<400> 257  
ggggcttctg ctgagggggc aggccggagct tgagggaaacc gcagataagt tttttctct 60  
ttgaaaagata gagattaata caactcttaa aaaatatagt caatagggtt ctaagatatt 120  
gcttagcgtt aagtttttaa cgtaattttta atagcttaag attttaagag aaaatatgaa 180  
gacttagaaag agtagcatga ggaaggaaaa gataaaaaggt ttctaaaaca tgacggaggt 240  
tqaqatgaaq cttcttcattt gactaaaaaaa tgtattttaa agaaaatttg a gaaaaaggac 300
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tacagagccc cgaattaata ccaatagaag ggcaatgctt ttagattaaa atgaaggta	360
cttaaacagc tttaagttt	380
<210> 258	
<211> 572	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (523)..(523)	
<223> n is a, c, g, or t	
<400> 258	
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atttgtttag ttaataacag ataaaaagga aagattcaag cctattggat gagaatttgt	120
acattatttt agagctaata ataatggtt tcagtttagt gaggattaa aaaatgtttt	180
tgaatcaaac ttttttctt tataatcctt tttaactaac tcaggaaata aggtattatg	240
aaatccacac actgttacct ccttaaagta tgaggatact tcccactgtt tggtccacta	300
gtggctgatt atttgtttg tgattattt gtaattttct ttttaattct tccttaaaga	360
gcatggcatt tggagtcaca gacctatatt tgaatcctgt catttactag cgtttgacc	420
ttgaacaatt atgctcagag tctcagttt ttcttgtaaa gtgatgatga tactacttaa	480
ctcacagggt tgtagtgaag atcaaatgag atcatgtctg tanaacacccc tgccccggcac	540
tcaataagta ttaatagggaa cccatataacc tc	572
<210> 259	
<211> 477	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (299)..(299)	
<223> n is a, c, g, or t	
<400> 259	

tgttttatt tttaaaagg tataaacacc aaaaaaaaaa ttaacattgt atgaagatgg 60
aaaataagaa gatgcactt ctgtaactt gtctaaggat taaaattact aacttatgaa 120
ctccaattt aattgaactt aactatcggc tttcttactg gtaaaattat atggtttatt 180
ttaaatgcgt acatattgac caatggcctc tgaaaaagca catttagat actgaaattg 240
aaggaaagaa aatgcacatctt caaacatttt ttggaatctc accacatata ctttgtana 300
tttgttatt gtaggggttt tgttttgtat ttttgtattt tatatgaact ttttttaaat 360
gtgacagtta aacacatctt taaaagcata gtcacagaca aaagcataca gtataaaaat 420
ttccttgaaa actcctacaa tattatattt ggaggcagct tcagactgtt ttattgg 477

<210> 260
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<400> 260
ctctggcaca cattagttcc tcttatatta cattgatata agcaagtcattt atggatttt 60
ctgagtgtaa ggagagctgg aaaaaatagt ttcttagcagg tcagccacct cccagtgagg 120
gctgcataacc atagaagggg agaatgaatt ttggaaaaac aggttaattat ctctgtcaca 180
gaaggggatg aaaagtatgg tagttacnca agttanacat ctgtatggaa aataccactt 240
ggttctacaa atgnngg 256

<210> 261
 <211> 627
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (591)..(591)
 <223> n is a, c, g, or t

<400> 261	60
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ctgccaccac gccttgcaaa tttttgtgtt ttttagtgag atggggttt gccatgttgg	180
ccaggctggt ctcggactcc tgacctcagg tgatccgccc gcctcagcct cccagagggc	240
tgggattaca ggcgtgagcc actgtgcctg gccccaaagt ttgcacatctt taatgccctc	300
tgaacaaata catagagaaa actctcagaa caattaaaac ctgcagagca acagtgtcct	360
ccatgtctta ggtttcaagt ttgcctctaa aattctaatac catatttttc tacttctcag	420
ataatttatg tgtgtgtact cttcctagac gtacaagaga ctttttaatg ctaaatattt	480
gtcagtgctt aacaaaaact caatttcaca ttactcatat tgttttgtt ttaattgaat	540
gtgaattaaa tttttatttag ttatttgatt tggaatgtta tgtatgccat taacactatt	600
aggggaatct ctagcatttc tgtatttta aagaatttga ttctttgtt nattctgcct	627
gtgtggcatt ttaaacatgt gtgacat	

<210> 262
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 262	60
accggcgaca tggccaaacg taccaagaaa gtcgggatcg tcggtaaata cgggaccgc	120
tatggggcct ccctccggaa aatggtgaag aaaattgaaa tcagccagca cgccaagtac	180
acttgctctt tctgtggcaa aaccaagatg aagagacgag ctgtgggat ctggcactgt	240
ggttcctgca tgaagacagt ggctggcggt gcctggacgt acaataccac ttccgctgtc	300
acgtaaagt ccgccatcag aagactgaag gagttgaaag accagtagac gctcctctac	

tctttgagac atcactggcc tataataaaat gggtaattt atgtat 345

<210> 263
<211> 252
<212> DNA
<213> Homo sapiens

<400> 263
ataattcaga acttcttcat atgctcgagt ctccagagtc actccgttct aagggttgatg 60
aagctgttagc tgtactacaa gcccaccaag ctaaagaggc tgcccagaaa gcagttaca 120
gtgccaccgg tgttccaact gttaaaatt gatcagggac catgaaaaga aacttgtgct 180
tcaccgaaga aaaatatcta aacatcgaaa aacttaaata ttatggaaaa aaaacattgc 240
aaaatataaa at 252

<210> 264
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 264
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agaagaccct atggagctt aatttattaa tgcaaacggt acctaacaaa cccacaggtc 120
ctaaactacc aaacctgcat taaaaatttc gggtggggcg acctcgagc agaaccac 180
ctccgagcag tacatgctaa gacttcacca gtcaaagcga actactatac tcaattgatc 240

caataacttg accaacggaa caagttaccc tagggataac agcgcaatcc tatt 294

<210> 265
<211> 370
<212> DNA
<213> Homo sapiens

<400> 265
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atgttttag attactttt caactgtaaa taatgtacat ttaatgtcac aagaaaaaaa 180
tgtcttctgc aaattttcta gtataacaga aattttgtat gatgaaaaaa atcattatgt 240
ttagaggtct aatgctatgt tttcatatta cagagtgaat ttgtatttaa acaaaaattt 300
aaattttgga atcctctaaa cattttgtat tcttaattt gtttattttaa aaataaatca 360
tataaaaaattt 370

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<211> 353
<212> DNA
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<400> 266
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tcccagtggc aattccaaac ctgggtccct ccctgagctc tctgccttct gctctgtctt 120
taatgctacc aatgggtatt ggggatcgag gggtgatgtg tgggttacct gaaagaaaact 180
acaccctacc tccaccaccc taccctcacc tggagagcag ttatttcaga accattctac 240
ctggcatttt atcttattta gctgacagac cacccacaca gtacatccac cctaactcta 300
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tcccagtggc aattccaaac ctgggtccct ccctgagctc tctgcattct gctctgtctt      120
taatgctacc aatgggtatt gggatcgag gggatgttg tgggttacct gaaagaaaact      180
acaccctacc tccaccaccc taccctcacc tggagagcag ttatttcana accattctac      240
ctggcatttt atcttattta gctgacagac cacccaca gtacatccac cctaactcta      300
taaatgttga tggtaataca gcattatcta tcaccaataa cccttcagca ctagatccct      360
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gctaaacaga atactgctat tttgagagag tcaagactct ttcttaaggg ccaagaaaagc      120
cacntgnnc ctnggnctaa tctggctgag tagtcagtta taaaagccnt aatngctnn      180
tnnttggnnt cnnttnnc ngggnncggn cttgggggg gttgcntcca aagatancat      240
ntntttccaa cttnntnaan nnaanngtt taaaatccct tttccnccng aaaanannngc      300
cctttaagng ccncaaaaaa aaanngtntt ctgcannntt tctantatna caaannttt      360
ngtagaanaa aaattttttt ttagnggcta cccttnttt ntannncann ggagtttntt      420
tttacaaaaa aaaaanattg ggncccctcc acaaccttgg gtctntaatn ggggggttt      480
taaataaanc ntntntaaat cccccnnnnn nnnncnnnn nnnncnnnn nnnnnnnnnn      540
cccnnnnaaa aaattttnc tccccnccc ttttcttcc tgccggcccc aatttaagcc      600
cnggcgcttg gggcaaatcc cccttagng ggggggtta naaaaaccng gggcggggnt      660
ttaaaaaccnc ggggnnnnggg gaa                                         683

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cggtacccta accgtgcaaa ggtagcataa tcacttgttc cttaatttagg gacctgtntg      120

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aatggctcca cnagggttca cttgtctc tt acttttaacc agtcaaattt acctgcc 177

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ttcctgttaa gagcctctga gtttttagtt taaaaggat gaaaagctta tgcaacatgc 180

tcagcaggag cttcatcaac gatatatgtc agatctaaag gtatatttc attctgtat 240

tatgttacat aaaagcaatg taaatcagaa taaatatgtt agaccagaat aaaattaatt 300

atattcttgtt cttcaaagga cacacagaac agatatcagc agaatcactt aatacttcat 360

agaacaaaaa tcactcaaaa cctgtttata accaaagaat tcatgaaaaa gaaagcctt 420

gccatttgtc tttagaaagtt atttttaaa aaaaatcat acttactatt agtatctatg 480

gaagtatatg taacaatttt tatgtaaagg tcatcttct gtgatagtga aaaaatatgt 540

ctttactaag ttgaaatgaa tactttctgn ctttgctaatt ggatagttat t 591

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<211> 329

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acagcaagta gcagtgtcac gccttagcgc ttccagctcc agtcagatt ccagctcctc      120
ctcttcctcg tcgtcgtctt cagacaccag tgattcagac tcaggctaag gggtcaggcc      180
agatggggca ggaaggctnc gcaggaccgg acccctagac caccctgccc cacctgcccc      240
ttcccccttt gctgtgacac ttcttcatct caccggggcc tgccccccctc taggagagct      300
ggctctgcag tgggggaggg atgcagggaa                                         329

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ntgcggccgc aattcgagct cgccccactt ggccaattcg ccctatacgng agtcgttatta    180
caattcaactg gccgtcgtt tacaacgtcg ngactggaa aaccctggcg ttacccaact    240
taatcgccct gcagcacatc cccctttcgc cagctggcgt aatancgaan aggccccgcac    300
cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa nggaaattgt aagcgtaat    360
attttgttaa aattcgcgtt aaatttttgt taaatcagct catttttaa ccaataggcc    420
gaaatcgcca aaatccctta taaatcaaaa gaatagaccg agatagggtt gagngttgtt    480

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ccagtttggaa acaanagtcc actnttaaag aacgnggact ccaacgtcaa agggcgaaaa	540
accgtctatc agggcgatgg cccactacgt gaaccatcnc cctaattcaag ttttttgggg	600
tcgaggngcc gtaaaagcact aaatcggAAC cctaaaggga gcccccgatt taaagcttga	660
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ttcgcccattg cgagaatga gagcaaagcg cgagtccgct tcaacttgat ggaaaagatg	180
cttcagcctt gtggaccgccc agccgacaag cccgaggaaa actgaaactt tgcttaacna	240
ccgaatggng ggganctttt ccaacgnnttt t	271
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 cttcattcat gggtaatgg attaatgggt tatcacagga atgggactgg tggcttata 180
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<212> DNA
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tgattatccg aaatgttca ttgtgggagc agacaatgtg ggctccaagc agatgcagca      180
gatccgcatt tcccttcncg ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcg      240
caaggccatc cgagggcacc tggaaaacaa cccagctctg gagaaactgc tgcctcatat      300
ccggggaaat gtgggcttg tgttcaccaa ggaggaccc actganatca gggacatgtt      360
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tgtgccagcc cagaacactg gtctcgccc cgataagacc tcctttcc aggctttagg      480
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<212> DNA
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aggtgactg tgtcaggttag cctcaggcaa tcctacttca acaagctgtc agggagccat      120
gccatgcttc tttatgacat aggtgaattt gataggctca ctagcagaac atgggatcac      180
aaggtggaac cttccnntt                                         240
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attaaagact taattataag acctaaaaacc ataaaaaccc tagaagaaaa cctaggccat      120
accattcagg acacgggtat gggcaaagac ttcataacta aaacacccaaa agcaatggca      180
acgaagtcca aatagacaaa ttggacctga ttAAactaaa gagcttcagc acagcagaag      240
                                                               300

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agactatcg	cagagtgaac	aggcaaccca	cagaatggaa	gaaaattctt	gcaatctatc	360
catctgacaa	ggggctaata	tccaaaatct	acaaagaact	taaacaaatt	tacaaggaaa	420
aacacaaaca	accccataa	aaagtggct	aaggatgtga	acagacactt	ctcaaaagaa	480
aacatttatg	cagccaacaa	acatgaaaaaa	aagttcatca	tcactgctca	ttagagacat	540
gcaaatcaaa	accacaatga	gatcccatcc	cacaccagtt	agaatggcaa	tcattaaaaaa	600
tgt						603

<210> 278
<211> 268
<212> DNA
<213> Homo sapiens

<400> 278	tttatgtgtt	tttgcttggg	gggcgctggg	cctagccccag	agttagtgctt	gctccccctg	60
ccttgc	ccagggagggc	agcagactca	ggccctccat	ggtcctcttt	gtcattttgt		120
tgacatgc	atgc	tcctcctttt	gtcatcttgt	tggggggagg	ggattaacca	aaggccaccc	180
tgactttgtt	tttggaca	cacaataaaa	gccccgttta	tttgtaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	240
aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaaa					268

<210> 279
<211> 569
<212> DNA
<213> Homo sapiens

<400> 279	ctttagccag	cctgatcaga	aaaaaaacaaa	agaagaggaa	agacgttagat	taccaacatc	60
aagaatgtga	gttatgatat	cactacagac	tctccaggt	ttaaaagcat	aatttagagaa		120
tgatatgagc	agctatatgc	aaataagtgc	aacattggac	aatggacaa	atttcttgc	aa	180
agataaatta	tgaaattca	ttctgaaaga	actacatgac	cttaattgtc	ttacatctat		240
taaataagtg	gaaattgttag	tttagaaact	ttcccacaaa	gaaaactcta	ggcccagatg		300
gcatcaaaat	aatattcaga	tgaatgaaat	ggagaaagga	tagcctttc	aacaaatggt		360
ggtgaaacaa	ttggatttcc	atatgc	aaaaaa	aaatagagat	ggacgcagag	gtgtgtgctt	420

aggaggctga ggtgagagga ttgtttgagg ccagcctggg caacatagca agaccccatt	480
tcaaaaaacaa aaataaaagaa cttgttagcct taccttgc catattatga aaatgtatca	540
taggcttaaa tgtgaaacgt aaaacaaaa	569
<210> 280	
<211> 492	
<212> DNA	
<213> Homo sapiens	
<400> 280	
cgcaggggct tctgctgagg gggcaggcg agcttgagga aaccgcagat aagtttttt	60
ctctttgaaa gatagagatt aataacaacta cttaaaaaat atagtcaata ggttactaag	120
atattgctta gcgttaagtt tttaacgtaa tttaatagc ttaagatttt aagagaaaaat	180
atgaagactt agaagagtag catgaggaag gaaaagataa aaggttctta aaacatgacg	240
gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa	300
aggactacag agccccgaat taatactaata agaaggcaa tgctttaga ttaaaatgaa	360
ggtgacttaa acagcttaaa gttagtttta aaagttgtag gtgattaaaa taatttgaag	420
gcgatctttt aaaaagagat taaaccgaag gtgattaaaa gaccttgaaa tccatgacgc	480
agggagaatt gc	492
<210> 281	
<211> 355	
<212> DNA	
<213> Homo sapiens	
<400> 281	
cggaaaagcaa atataacttg ccactaacca agatcacctc tgcaaaaaga aatgaaaaca	60
acttttggca ggattctgtt tcatctgaca gaattcagaa gcaggaaaaa aagcctttta	120
aaaataccga gaacattaaa aattcgcatt tgaagaaatc agcatttctta actgaagtga	180
gccaaaaagga aaattatgct ggggcaaagt ttagtgatcc accttctcct agtgttcttc	240
caaaggcctcc tagtcactgg atgggaagca ctgttgaaaa ttccaaccaa aacaggagc	300
tgtatggcagt acactttaaa acgctcctca aagttcaaac ttagatttca gattt	355

<210> 282
<211> 619
<212> DNA
<213> Homo sapiens

<400> 282
ccgtctcta cacaatatat agaaatctgg gcatggtggt gcctggctgt agtctcagct 60
acctaggttgg gtgaggtggg agagtcgctt gagtcctgga gggtgaggct gtagtgagcc 120
agggctgcac cactgcattc cagcctgggt aacagagtga gaccctgtct caaaaagaaaa 180
aaaaaaaaatt gctaattta acaaattcaca aaactgactc aggcaagttg tctgactcaa 240
aagcccttga aaaaccatca aagacagtag aatgttaact ggtcatttac gtaaaatagt 300
gttcattaaa ttttggttc attaggata atcattttaa atgagactgt atttgagact 360
gtatacacat acatatacat gtttacacac atatacgtaaatatgtta cattctatct 420
aaaagatcat acatgtgtgt acatataatgt tttaaaagt caaactgaca tattaatgga 480
aacagtgcctt acatctctgg tagtgatttt ctattagcag cagccctaca tatgctgcgt 540
ctctgaacag catgtcagtg ccatgactgt ctaaacatgc aaatatgact gacagactct 600
tgagacagct ttcacacctg 619

<210> 283
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(18)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (23)..(23)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<400> 283
 aattcgnngc cgctcnnc tangaggcac cagggaaatcc cgcgggtgg cccatgcaga 60
 ccaggcgcac gtggctcatg gggcanaatt gccaggaca gtcacgaca gtgccaccct 120
 ctcaccattc cagccaagga gagatgtgac gttggactg ctctggact tctgtcaagc 180
 ctccccgccc ccaattgcct tgagatctct gctcttgcc agagatttgc aaagactcac 240
 gttttgttg ttttctcatc attccattgt gatactaaga aactaagaag cttaatgaaa 300
 agaaataaaaa tgcctatgtt gttgttct 328

<210> 284
 <211> 563
 <212> DNA
 <213> Homo sapiens

<400> 284
 ctagaaccca tgactcctag gtcttatact gcaaccacag tatcagcaaa taatcttca 60
 taaggggatt attctctgat taacagggaaa tacaggaatt taatttgtga acacgctagg 120
 tagaagcaga aacccaaatc caaatccaaa tttaaacatt taaaattcat tctataacta 180
 agatctaaca gtcattttct tcccagtaag aaataaccaa agcatgctaa aaatcactgg 240
 actaaattgg tgtcaaaact gccacattgc cagggatggg ggggtcatac ttgtatccc 300
 agcactttgg gaggccgagg tggaaaatt gcttgaggcc aggagttcga aaccagcctg 360
 ggcaacacag tgagacccca tctccacaaa aaaaaaaaaat taaaaaacaa aacaaaacat 420
 tagctggca tggtggtaca cgcctgttagt cccagctact caggagcctg aagtgagagg 480
 atcaactgaag cccaggaggt agagctatga ctgttagtgag ctatgactgt gccactacac 540
 tccacacctggg tgacagggga ctc 563

<210> 285
 <211> 257
 <212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<400> 285
cgacttccat ttgtattaaat ggaatactaa gtccctctgt gatttctgaa ccaagctatt 60
cctaggcctg agtttattt tggacaca gaaataaatt anaaggccaa gcgtggtggc 120
atgtgcctgt agtcctagtt gctgaggtaa gaggattgct tgagcccagg agttcaaggc 180
tgcagcaagc tttgattgcg ccactgcact ccagccttgg cgacagacta agacgctgac 240
tcaaaaaaaaaa acaaaaaa 257

<210> 286
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 286
ggttatcaat gagattaaga gacaactaga gtaaaaacaa aagaaaagaa aagaaangaa 60
aacaacagaa gctctattaa ctgacctcta accaatacaa caggttaact gatgttctcc 120
attctgtata taaaaatccc agtggacacc cacaacacag gttcaggct tgttaggacac 180
tttctagttc atctgagcac ttttgttctc agcagtttag ctgtatactt agcaacattt 240
ggtgcttcca aaccatttg tgcctgttagc acttactatt gaaatacata atttaattaa 300
atattatata aaggaatgga atacgagttg gacaagaaaa agagttaaat ctgaaggta 360
ggtaaaaaga gcaacttctt ttctctgttt tgcaggttgg caaaatcatt taaaaacaat 420
tggaaagtatt atatgttctg cattaagttg tcattttact taaaaactag gcatcaaaga 480
tcatgcataa taaattttgt gtatgcaaga atgactgctt gggacctcaa tatatgaatt 540

cttaatccaa ggaaagtctt tggccttaca tttaaaagtc ggcaaataag tgtacgttca 600
 tt 602

<210> 287
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (250)..(250)
 <223> n is a, c, g, or t

<400> 287
 gaacatttaa aaataatgca aataaggctg ggcgtggggg ctcacacctg taatcccagc 60
 actttggag gccgaggcag gcagatcactg aggtcaggag attgagacca tcctggctaa 120
 cacagtgaaa ccctgtctct actaaaaaaa taaaaaaaaatt agccaggcgt ggtgggtggc 180 \\\
 ' gcctgttagtc ccagctactc aggaggctga ggcaggagaa tggtgtgaac ccgggaggcg 240
 gagcttgcan tgagctgaga tcgtgccact gcactccagc ctgagcgaca gagcgagact 300
 ctgtct 306

<210> 288
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (216)..(216)
 <223> n is a, c, g, or t

<400> 288
 tcattagaat ccaagcttg aaaatttctg attaatgctc atgtatttct ttatcttgt 60
 tttccttgt gaagaaagac tttcaccact gtctgagtga tcatgtgtt gataaggatg 120
 atgtcgatga ctactatatt gcatctctca ggaacagctg atggaaaggg aggggctgct 180
 gagttccctt gttcttagcta gcagcacgct cctcanagag ggggccgagt tacagacagc 240

agccgcattc tcatgcaaaa ttagtttaa actgctagtg tgggcacatcg tacctttgc 300
ctgggtgata ccgaagaatt gttgaggatt tagtatgctc cgttagagaca gttcagccag 360
tcatttctgc attggagaga cttctcatac tttcttgaa gactcataga aagctggat 419

<210> 289
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (614)..(614)
<223> n is a, c, g, or t

<400> 289
attaaggttt gtncccaaca agaatagatg taatttagaaa aaantgnctt ccttacctat 60

tgccctgtat nttaacttgc ttaaattttt ttattnaa atccagaaaa agnggattta 120
gagaacaaca ctaactccca cctaatttat gacaganatg tacaananag tacctgtgaa 180
aatgtgaaa gnatntgaaa aatgtaacct ttggcagcct gagcatagtc aaccagaaaa 240
actatctgaa taaaataat tggccatag gtactatttt atttggtcca taaggattat 300
ttttcaact ttttttcaa gtgtattatt atgtcatttc ccacgttagt tactgatacc 360
tgaagacttt tncacctt aacctnctc gttgaggagc tttgtantct aataaaagag 420
aatataagt aaatgttaga tatatggng gataatggta actatgtgct taaagaggtta 480
taaaagaagg gtagggagca gataagacaa aggaaggcct atattataan gaagaatatt 540
ccaagtaggg aagagaaaaa gatatgttat ccatataata ttttatgtgc agtagagaac 600
atgttctata gaanagacag aagatg 626

<210> 290
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (576)..(576)
<223> n is a, c, g, or t

<400> 290
cttgagccca ggaattccag cctgggcaat atagtaagac tccgtctcta caaaagatac 60
aaaaatttagc cagatgtggt ggtgcgtgcc tgtagttcca gatactggaa agactgaggc 120
aggaggattg cttgagcatg ggaagttgag gctgcaatga gctgtgatta cgccactaca 180
ctccagcctg ggcaacagag taagatcttgc tctaaaaaaaaaaa aaaattgaat tcagctaaaa 240
ataataaaaat tttaaaataa tttaaaaag ccctcaacag ctgtttttt ctctccttgc 300
cagttctct gcagcctata gcctgcagggc tggctgctgc gagccaggac aagcggtggg 360
aaatgcaatc acagcgtgaa atctctgtgt tcagagacac gcaggaagca ggtgaaccat 420
gaagggccaa cacatcccc cagtttagcag ggtgttagaga ccggggcagg gctttcttct 480

tccttatggg ttataaatat ccatgtcctg ccattgaag ctgcaagtgg cacacatgga 540
tgctggacag gcgctcgcac tttctggca gggcangggg ctc当地aggca ggacagctgg 600
gcaaaaagcac cttgcgtggg ccc 623

<210> 291
<211> 579
<212> DNA
<213> Homo sapiens

<400> 291
ctttggagct tctgtctgtg ctgtggacct caatgcagat ggcttctcag atctgctcgt 60
gggagcaccc atgcagagca ccatcagaga ggaaggaaga gtgttgtgt acatcaactc 120
tggctcggga gcagtaatga atgcaatgga aacaaacctc gttggaagtg acaaataatgc 180
tgcaagattt gggaaatcta tagttaatct tggcgacatt gacaatgatg gctttgaagg 240
taattaaaat tatcaaattt gtgcttgatt tctgcttta aaatggttt tggaaagaaaa 300
tatgattaaa gttttgtatt gtttccttc ctatagaaga tggagccaga atggcatgct 360
aagtttttc ttttcttag ttttatatat gacttctcct caattgtcac ccattgatct 420
ttaccactgt taataatgga tgatattcaa aataccttat ttcagtgatt ctaaggcacc 480
attgattaga aactgcatta ttatttatgt gtc当地aaaaa gctacctatt aagctgttac 540
acccaccatt tttctgttaa gaaaatcctg atttcagaa 579

<210> 292
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<400> 292
 gtnntcctct cggaacgcgc ctntgttagc cagtgctac cagaccnaat acacggttgt 60
 tccagcttgc gcattcacgg atggcgtaga tatccggatc ggaagtctgg caggaatcat 120
 taatgacaat acccccacgc ggagcaacgt ccagaccaca ctgggttgcc agcttatcgc 180
 gcggacggat accggtagag aagacgataa agtcgacttc cagttcgctg ccgtcggcaa 240
 aacgcattgtt ttacgcgt tcaacacctt cctgcacaat ctcaagggtg ttttgctgg 300
 tgtgaacgcg cacgcccata cttdcgattt tgcgacgcag ctgctcgccg cccatctgat 360
 caagctgttc tgccatcagc atagggcaa attcgataac gtgggttca atacctaagt 420
 tttcagcgc gcctgcggct tccagaccta acaggccgca attcgagctc ggccgacttg 480
 gccaattcgc octatacgta gtcgtattac aattcactgg ccgtcgaaaa acaacgtcgt 540
 gactggaaa accctggcgt tacccaaattt aatcgcttg cagcacatcc cccttcgccc 600
 agctggcgta atagcgaaag aggccccac ccgatcgccc ttccaacag ttgcgcacct 660
 gaatggcgaa tggaaattgt aagcgtaat atttgcgtt aattcgcgt 709

<210> 293
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 293
 ctgcgcagac cagacttcgc tcgtactcgt ggcgcctcgct tcgtttcc tccgcaacca 60
 tgtctgacaa acccgatatg gctgagatcg agaaattcga taagtcgaaa ctgaagaaga 120
 cagagacgca agagaaaaat ccactgcctt ccaaagaaac gattgaacag gagaagcaag 180
 caggcgaatc gtaatgaggc gtgcgcgcgc aatatgcact gtacattcca caagcattgc 240
 cttcttattt tacttctttt agctgtttaa ctttgtaaga tgcaaagagg ttggatcaag 300
 tttaaatgac tgtgctgccc cttdcacatc aaagaactac tgacaacgaa ggccgcgcct 360
 gccttccca tctgtctatc tatctggctg gcagggaaagg aaagaacttg catgttggtg 420

aaggaagaag tgggtggaa gaagtggggg tggacgaca gtgaaatcta a 471

<210> 294
<211> 495
<212> DNA
<213> Homo sapiens

<400> 294
cttgtattca agaactactg taatgcatta gtggctggc ttcattttgt atgatgccag 60
atccttaatt tacccagcac aatcatttca gtagttcct atggctcctg caaaaatgca 120
aacagaaaacc accacaggaa cagcccccttg ctgcctcctg ttgctgaggt agtagtcgt 180
aaagaaaaatt gaaggctcct tacaatctat atttggaaac tagaacttct gtagaaacac 240
acagatcccg atcttagaag ttgtacagga caatctggta aaactgacat aatttgtgatt 300
tattaacatg aattaaaaatg cccaaccagt gcttcagtgt gacagtatat taaaataaaa 360
aaagaaaatta aaggtcatat actgtactac tttcacaaag atccacagtt ttgcaaaaga 420
cttgcataatgtat atatatcaaa tgagaaaagc tgtaagcaat tatatacgca 480
aaagaaaatgg cagta 495

<210> 295
<211> 531
<212> DNA
<213> Homo sapiens

<400> 295
ttccagtcct ttcatttagt ataaaagaaa tactgaacaa gccagtggaa tggaattgaa 60
agaactaatac atgaggactc tgtcctgaca caggtcctca aagctagcag agatacgcag 120
acattgtggc atctggtag aagaatactg tattgtgtgt gcagtgcaca gtgtgtggtg 180
tgtgcacact cattccttct gctctggc acaggcagtg ggtgttagagg taaccagtag 240
ctttgagaag ctacatgttag ctcaccagtg gtttctcta aggaatcaca aaggtaaact 300
acccaaccac atgccacgta atattcagc cattcagagg aaactgtttt ctctttat 360
gcttatatgt taatatggtt tttaaattgg taactttat atagtatggt aacagtatgt 420
taatacacac atacatatgc acacatgctt tgggtccttc cataatactt ttatattgt 480

aatcaatgt ttttggagca atccaaagtt taaggaaat atttttgtaa a	531
<210> 296	
<211> 496	
<212> DNA	
<213> Homo sapiens	
<400> 296	
caaccctctc tcctcagcgc ttcttcttc ttgggttgat cctgactgct gtcatggcgt	60
gccctctgga gaaggccctg gatgtgatgg tgtccacctt ccacaagtac tcgggcaaag	120
agggtgacaa gttcaagctc aacaagttag aactaaagga gctgctgacc cgggagctgc	180
ccagcttctt gggaaaagg acagatgaag ctgcttcca gaagctgatg agcaacttgg	240
acagcaacag ggacaacgag gtggacttcc aagagtactg tgtcttctg tcctgcacatcg	300
ccatgatgtg taacgaattc tttgaaggct tcccagataa gcagcccagg aagaaatgaa	360
aactcctctg atgtgggtgg ggggtctgcc agctggggcc ctccctgtcg ccagtggca	420
ctttttttt tccaccctgg ctccctcaac acgtgcttga tgctgagcaa agttcaataa	480
agattttggg aagttt	496
<210> 297	
<211> 397	
<212> DNA	
<213> Homo sapiens	
<400> 297	
cggatgtggt ggcaggcgcc tctagtccta gctactcgcc aggctgaggt aggagaatgg	60
cttgaaccca ggaggtggag ctgacagtga gccgagatcg cgccactgca ctccagcctg	120
ggcggcagag cgagactcca tctaaaaaaaaaaaaaaaaaaaatagact ttgagaccag	180
cctgaccaac atagtgaaac ccgtcactac taaaaataca aaaattaccc gggcgtgg	240
acgggcgcct gtaatcccag ctacttggga ggctgagaca ggagaatcac ttgaaccagg	300
gaggcggagg ttgttagtgaa ctgaaatcgt gcccctgcac tccagcctgg gtaacaagag	360
cgaaaactccg tctaaaaaaaaataaaataaaataaaat	397

<210> 298
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 298
 ccagctttt atggtgttta atctaataca cttaagctgc agtcccaaaa ttaggggtcc 60
 ttcagtcttg gagactataa gggagcctct gcacccaggg aaaatgttac cctttacagg 120
 ggggaagggt aaaccagtag ggaatacagt acaatccaa ccctactggg aggggcggga 180
 gggaggtgtt gccgtcactg tattaagtcg atgttggaa acgtttaac atctggagcc 240
 tttgtgggtg gaaatatgtc tccagttaca actccgcagt ggatgtgaag aag 293

<210> 299
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (449)..(449)
 <223> n is a, c, g, or t

<400> 299
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 ggagggaaatt ttggaggcag aagctctggc ccctatggcg gtggaggcca atacttgca 120
 aaaccacgaa accaagggtgg ctatggcggt tccagcagca gcagtagcta tggcagtggc 180
 agaagatttt aatttagaaaa caaagcttan caggagagga gagccagaga agtgacaggg 240
 aagctacagg ttacaacaga tttgtgaact cagccaagca cagtggtggc agggcctagc 300
 tgctacaaag aagacatgtt ttagacaaat actcatgtgt atgggcaaaa aactcgagga 360
 ctgtatTTgt gactaattgt ataacaggtt atttagttt ctgttctgtg gaaagtgtaa 420
 agcattccaa caaaggggtt ttaatgtana tt 452

<210> 300
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 300

tggattcccg tcgtaactta aaggaaact ttcacaatgt ccggagccct tcatgtcctg	60
caaatgaagg aggaggatgt ccttaagttc ctgcagcag gaacccactt aggtggcacc	120
aatcttgact tccagatgga acagtacatc tataaaagga aaagtatgg catctatatc	180
ataaaatctca agaggacctg ggagaagctt ctgctggcag ctgtgcaat tttgccatt	240
aaaaaccctg ctgatgtcag ttttatcc tccaggaata ctggccagag ggctgtgctg	300
aagtttgctg ctgccactgg agccactcca attgctggcc gtttcaatcc tgAACCTTC	360
actaaccaga tccaggcagc cttccggag ccacggcttc ttgtggttac tgACCCAGG	420
gctgaccacc agcctctcac ggaggcatct tatgttaacc tacctaccat tgccctgtgt	480

<210> 301
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (426)..(426)
 <223> n is a, c, g, or t

<400> 301

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ttgttacaac ataaataaaat ctggaggaga ttaggctaag gtgaaataag ccaggcacaa	120
aaagacaact accatatgtat cttacttata cgtgtgtgaa atctaaaag gtggattta	180
cagaagcaga gagtagaatg gtgattacca gaggtgggg agtgaggca ggaggttgg	240
gaaatgttgg tcaaaggata caaagttca gttatacagg atgaaataatg tcaagagatc	300
tattgtacaa cgtggggct atagttgata acaatgtatt gtgttcttga aaaatgtga	360
gagagtagat tttaagtgtt ctcaccacaa aacataagta tgtgaggtaa tgcgtgtgtt	420

aattanctta	atttagacat	ttcataatgt	attatacata	tttcaaaacc	acgttgtaca	480
tgagaaaagat	acacaatt					498
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<212>	DNA					
<213>	Homo sapiens					
<400>	302					
gcccagtcga	cccatgttct	cctttctaca	ccagcattag	acgctgtctt	cacagatttg	60
gaaatcctgg	ctgccatttt	tgtagctgcc	atccatgacg	ttgatcatcc	tggagtctcc	120
aatcagttc	tcatcaacac	aaattcagaa	cttgcttga	tgtataatga	tgaatctgtg	180
ttggaaaatc	atcaccttgc	tgtgggtttc	aaactgctgc	aagaagaaca	ctgtgacatc	240
ttcatgaatc	tcaccaagaa	gcagcgtcag	acactcagga	agatggttat	tgacatggtg	300
tttagcaactg	atatgtctaa	acatatgagc	ctgctggcag	acctgaagac	aatggtagaa	360
acgaagaaaag	ttacaaggttc	aggcgttctt	ctcctagaca	actatacccg	atcgcatattca	420
ggtccttcgc	aacatggtca	ctgtgcagac	ctgagcaacc	ccaccaagtc	cttg	474
<210>	303					
<211>	535					
<212>	DNA					
<213>	Homo sapiens					
<220>						
<221>	misc_feature					
<222>	(492)..(492)					
<223>	n is a, c, g, or t					
<400>	303					
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taaatgagtc	tgcagttaat	atcaaatgtg	agtttggac	tgcctggcaa	catttatatt	180
tcttattcag	aacccttgat	gagactattt	ttaaacatac	tagtctgctg	atagaaagca	240
ctatacatcc	tattgtttct	ttctttccaa	aatcagcctt	ctgtctgtaa	caaaaatgta	300

ctttatagag atggagaaaa aggtctaata ctacatagcc ttaagtgtt ctgtcattgt 360
tcaagtgtat tttctgtaac agaaacatat ttggaatgtt tttctttcc cttataaat 420
tgtaattcct gaaatactgc tgctttaaaa agtcccactg tcagattata ttatctaaca 480
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<210> 304
<211> 464
<212> DNA
<213> Homo sapiens

<220>
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<222> (427)..(427)
<223> n is a, c, g, or t

<400> 304
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cgatactagg acttatgcag aaaaaacctt gacatggagg aaagtaagat ctaaataaat 120
actgtattca tagattaaaa gactcagcat aataaatata ccatttctcc ccagattgat 180
gtacagattt aacacaattc ctatcaagat cccagcaaga ttttgtaga tatgtaaaag 240
attattcaaa aatgtaaaag gaaggacaaa ggactagaat agataaaaca aaatggagaa 300
agatttaata ggaatcactg taactgatt taagacatac agaacaataa tagaaactgc 360
ttgtatttagt ccattttcac gctgctgata aagacatacc tgagattggc aattacaaag 420
gaaagangtt tattggctta cagttcccat ggctggggag gcct 464

<210> 305
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (511)..(511)
<223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (546)..(546)
<223> n is a, c, g, or t

<400> 305
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atcctgatac caaactcatc ggaaacatgg cactgttgcc tatcagaagt caattcaaag      120
gacctgcccc cagagagaca aaagatacag atattgtgga tgaagccatc tattacttca      180
aggccaatgt cttcttcaaa aactatgaaa ttaagaatga agctgatagg accttgatat      240
atataactct ctacatttct gaatgtctga agaaaactgca aaagtgaat tccaaaagcc      300
aaggtgagaa agaaatgtat acgctggaa tcactaattt tcccattcct ggagagcctg      360
gttttccact taacgcaatt tatgccaaac ctgcaaacaa acaggaagat gaagtgtga      420
gaggctattt acaacagcta aggcaagaga ctggactgag actttgtgag aaaagtttc      480
gaccctcaga atgataaacc cagcaagtgg ngggcttgct ttgtgaagag acagttcatg      540
aacaanagtc tttcaggacc tggacagtga agggagcccg ggcagcca      588

<210> 306
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<400> 306
cgngccgcg tnaactttt atcgtagct gggctggca ggcacctaaa tggaaagggt      60
gatagcagtg tggtggggg agtttaggga acggcctct accgatagag gcagcanctc      120
attggaattt ctcctgaag ttgtcttgcc cttgaatcc tgcaggaagg ctggcaaatg      180
gccattccc ttccacttga atagagaccc ataactcaag tatctgcct taagacacca      240
caggactgtt ctgcgggc cctgcccctg gattgggag aggcagtcca ntcacccaa      300
ctaggctctg cangggacc angagggatg gggtgtgtcc acaggaccag ccagactgat      360
gagggatgctg gcaagcatat tctcaccacc ttcttcacg tttacaacan accagcnntc      420
cctgtgtggc aggggttaca ttggtcacccg aggacctana atcatggagt gctctggga      480
tccgggcttg ga                                         492

<210> 307
<211> 430
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> (396)..(396)

<223> n is a, c, g, or t

<400> 307

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tttctgttagc	ctgttaatat	ggtaatttt	caaataattga	gctgattaat	tttcaaataat	120
tgagctctcc	ttgcatactct	ggaataagta	ccacttggtc	gtggtatata	tttctttaa	180
tatattgctg	aattctgttt	gatcatgttt	tcttaaagac	ttcgtgtct	gttttcatga	240
tagatactgg	tctatagttt	tgttgtaata	tcttggttg	atttgatata	caggataatg	300
ctaccttaat	agaatgaatt	ggagccaagt	atggggcaa	atgcctatag	tcctagctac	360
tcaggaggct	gaggtggtgg	ggactgcttg	accangagt	tcaaatctag	cttgggcaat	420
gtagcaagac						430

<210> 308

<211> 574

<212> DNA

<213> Homo sapiens

<400> 308

tagaaggaaat	gactattcat	gtccaaagtg	aatggtttg	tgcagtgaac	aacacatggc	60
gaggtactaa	ctgagaaaact	tttcatgct	ttatgcctac	ctctttagt	tgtgcagag	120
caaataaaaa	ttgtaataag	atagctaggc	cttgcagaaa	caaacagaaa	aactaaaaaa	180
aaaatgatata	aagagctgga	gtctagtatt	tatataatc	tgtgagagat	atttttttg	240
gtctcactgc	aatgaaccaa	aagcggtctga	gtttggttt	taattgttagc	catgtattga	300
aggcatctt	ttgaccaact	cttgggttt	ctgtcttcaa	ccattgttaa	tcactgtgct	360
gtaatttagta	tagctaaatc	tttccttcc	ttgctcctcc	cccagccac	cccgcttcc	420
cttaacattt	tttcagggggg	ggttggaggt	ggtttcattt	taatgtgagt	ggatgtttg	480
atagttgtaa	ggaaaaaaatg	catttcagac	acatttcaca	catgagctat	tttcttacac	540

agtatgtctt attggtataa agaatgtaat tcat

574

<210> 309
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<400> 309
cnttcntaa gaatacAAAAA aattagctgg gcgtggtggc aggccctgt aatccatct 60
actcaggaag ctgaggctgg agaatcgctt gaacccggga ggcggaggtt gcagttagca
gagatcacgc cactgcagtc cagcctggc aacagtgcga gactctgtct caaaaaaaaaa 120
ataaataaat tacctgggtg tggcagcgcg tgcctgtaat cccagctacc caggaggctg
aggcaagaga actgcttgaa cccaggaggc agaggttgca tggagctgag atggcgccac 180
tgcactccag tctggtgaca gagtgag 240
300
327

<210> 310
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (225)..(225)
<223> n is a, .c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<400> 310
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accaggtact cgggaggctg aggcaggaga atcgcttcaa ccagggagtc ggaggttgcg      120
gcgagctgag atcatgccac tgcaactgcgg cctggagaca agagcaagac tccgtctcaa      180
aaaaaaaaaaa aaaaaaaaaaa aaaaaagacn tcacctaatt gcagngngng gaccttattt      240
ggctnttaat tcaaactatt aaaaatgtga acn                                273

<210> 311
<211> 260
<212> DNA
<213> Homo sapiens

<400> 311
cgggtctgt accgggctgg cctgtgccta tcacctctta tgcacacaccc ccacccctg      60
tattccacc cctggactgg tggccccctgc cttggggaaag gtctccccat gtgcctgcac      120
caggagacag acagagaagg cagcaggcgg cctttgtgc tcagcaaggg gctctgcct      180
ccctccttcc ttcttgcttc tcatacgcccc ggtgtgcggt gcatacaccc ccacctcctg      240

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caataaaaata gtagcatcg 260

<210> 312
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<400> 312
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gcttcattc aaataggta tatgtataaa ctgagttcaa caatattgta ttgagatgg 120
taaagttaaa gaaatgcaat aatgtaaata atacttaaga aaataagatc tcagggaaact 180
gtatatactc tgtacttta tgcaacttta tcagatcatt tcagtatatg catcaaggat 240
atagtgtata tgacatgaac ttgagtgca aaaactgtac tatgtacctt ttgttattt 300
tgctgtcaac atctaaataa aggtttttt gtttggggg tggtttttt attgttttgt 360
tttaaagatt gtttaatta attaaaaat taattgtttt aattaaacaa ttgtttaatt 420
gttttaaagt cgccaggctg aggcaaggta atcacaagct taggagttgg aggctagcct 480
gccaacatgg taaaaccccg tctctactaa aaataaaaaa aaattaactg ggtgtggg 538

<210> 313
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (549)..(549)
<223> n is a, c, g, or t

<400> 313
cccatctgca ccagtacaca ggcaggcatt atcattcttc acctacttt taaatagtgg 60
caacttggga ttcattctgg tgattctgaa cttgcctca tagcttaag tataaaaaaag 120

attcaagagc	agtgagggtt	gttcttcca	gtgaatggtg	gactgagtgg	tgcgagggtgg	180
agggctaaca	agaggaaaga	actacattct	tcagaataca	gtgatgaaaa	ttcattttga	240
aactcaaata	ttttcatttt	ggatattctc	ctgttttat	taaaccagtg	attacacctg	300
gccatccctc	taaatgttct	aggaaggcat	gtctattgtg	atttgatga	agacagaatt	360
attttctct	gtagaaacac	agataccact	ttatcagggg	aagttagtca	aatgaaatgg	420
aaattggtaa	atggacaaaa	gctagctagt	aaaaaggacg	acccagcaac	atgctttaac	480
cccattgtat	gtttgtggaa	agagcatagt	ttaacatctt	gagaaatttg	ggacataaaa	540
gttttcatng	gtagacagtt	catggcagta	tatgaattga	cataatggaa	ataatctgat	600
tttattttta	caactaacat	ccttcccc				629

<210> 314
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (635)..(635)
 <223> n is a, c, g, or t

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tgagtgtgca	gctgcatgag	gcctcagcag	gagagagatt	ttaggtccaa	gaagctatac	120
cagtaggaca	aggcagggaaa	atactacact	ttcaggatca	agcccctctg	actctcattt	180
ggaaactgga	tgtttgctaa	gcacctgctt	cttaaggatg	ccgagggatt	taatgatact	240
cccagaaacc	tggagagatt	aatggggcct	atggagaagt	gctctgaact	cagtgttggg	300
acttgaataa	aattaaccat	tgtcatgttt	tcagaacaac	taagctgttt	tatatttcat	360
gtgcatgaaa	gccctagaac	taagttgtgt	tattccaga	aatgaaatag	atcccacagt	420
tagatgatgt	ggccatttagg	aagtacaaa	tttataaaaa	tcactggagg	tctgtctgag	480
cagtagctaa	taaaatata	tgatgtgt	tattccaga	aatgaaatag	atcccacagt	540
tgcttcatct	ttatctgtgt	ctgccgtaca	gtgcaccctt	aaagtattct	acaccagtgc	600

ttctcaaact ggaaatgtgc atgtaagtca cccangggtc t 641

<210> 315
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (598)..(598)
<223> n is a, c, g, or t

<400> 315
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agccagaggt tgcagtgagc cgagatcgca ctccagcttg gcgcacagaac aagactctgt 120
ctcaaaaaaaaaaaaaaaaag aaatcttggg atcctgaacc ctttactcga agggctaagg 180
tagcatctca gcatgtctta ttcgagactt cgtanaacca gacctgctgt ttgttagatgt 240
taattaatca aacctttctc tactcattct ggaccagtta aggtttctc cttctccgta 300
ttagtttga ttttcgtcct cttgggttgg agatcacact ttggtctgct gctaagttgg 360
atgcctccca ctgtctttcc ctaagtctag ggcttcanac cccagtgtgg ggagagggac 420
tttcgtttcc tgccccctcac cacatcagac acaggcaggc aagaataaga tggccaaaag 480
gccgatgaac ttcttgacct agcctgggac attacctgtt acttaggtgga cttaactgcc 540
tgtgaatgga agctgaaggg ctgtttttt ggtttgtatt tggacaggcc aggcttanag 600
agggagagaa ctgggctact cttagcagt gatcttaaa atgcc 645

<210> 316

<211> 542
 <212> DNA
 <213> Homo sapiens

<400> 316
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 tcaacacattt ccaccaatac tctgtgaagc tggggcaccc agacaccctg aaccagggg 120
 aattcaaaga gctggtgcgaa aaagatctgc aaaattttct caagaaggag aataagaatg 180
 aaaaggcat agaacacatc atggaggacc tggacacaaa tgcagacaag cagctgagct 240
 tcgaggagtt catcatgctg atggcgaggc taacctggc ctcccacgag aagatgcacg 300
 agggtgacga gggccctggc caccaccata agccaggcct cggggaggc accccctaag 360
 accacagtgg ccaagatcac agtggccacg gccacggcca cagtcatggt ggccacggcc 420
 acagccacta atcaggaggc caggccaccc tgcctctacc caaccaggc cccggggcct 480
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 tc 542

<210> 317
 <211> 583
 <212> DNA
 <213> Homo sapiens

<400> 317
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 aaaagaggct ccgggttgac aaatggtggg gtaacagaaa ggaactggct accgttcgga 120
 ctatgttag tcatgtacag aacatgatca agggtgttac actggcttc cggtacaaga 180
 tgaggtctgt gtatgctcac ttccccatca acgttgttat ccaggagaat gggctcttg 240
 ttgaaatccg aaatttcttgg tggaaaaat acatccgcag ggttcggatg agaccaggtg 300
 ttgcttggc agtatctcaa gcccagaaag atgaattaat cttgaagga aatgacattg 360
 agcttggttc aaattcagcg gcttgattc agcaagccac aacagttaaa aacaaggata 420
 tcagggaaatt tttggatggt atctatgtct ctgaaaaagg aactgttcag caggctgatg 480
 aataagatct aagagttacc tggctacaga aagaagatgc cagatgacac ttaagaccta 540

cttgtgatat ttaaatgatg caataaaaga cctattgatt tgg 583

<210> 318
<211> 424
<212> DNA
<213> Homo sapiens

<400> 318
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acagctcttc taaaattga aggtgtttac gcccgagatg aaacagaatt ctatttggc 180
aagagatgcg cttatgtata taaagcaaag aacaacacag tcactcctgg cggcaaacca 240
aacaaaaacca gagtcatctg gggaaaagta actcgggccc atggaaacag tggcatggtt 300
cgtgccaaat tccgaagcaa tcttcctgct aaggccattg gacacagaat ccgagtgatg 360
ctgtaccctt caaggattt aactaacgaa aaatcaataa ataaatgtgg atttgtgctc 420
ttgt 424

<210> 319
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (593)..(593)
<223> n is a, c, g, or t

<400> 319
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tgaaatctcg actcaactgca acctccgtct cctgggttca agcaattctc ctgcctcagc 120
ctcctgagta gctgggatta caggcaccag ccaccacgcc cggttaattt ttgtattttt 180
agtagagaca gtttttccacc atgttgctt ggctgatttt gaactcatga ccccaagtga 240
tctgcccccc tcggcctccc aaagtgctgg aattacaggt gtgagctacc actcccagcc 300
aatgattaca tttataaggt aaaataactt gtgccaatct gtacaagtga attcagattt 360

aaaatttaa ttgtaaaaag atatccaggat gatatttctc cctgaataat ttagttcct 420
tttctatttc ttgatataaa agtactcagc attgaagtaa ttgctatctt cacatttctt 480
cctatttgag ctgtctaaat aagttagtcct acatatttc cccccaacac aaaaaaccca 540
gaaaagaatt attttatact ggatttttt ggtttagca ggaacctaaa ggngccaatt 600
gtaacatgca tgttctttt ggcaa 626

<210> 320
<211> 618
<212> DNA
<213> Homo sapiens

<400> 320
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tgacctaatg ttatcgcgga atgatgatat atgtatctac gggggcctgg ggctggcg 180
gctcctgctt ctggcagtgg tcctctgtc cgcctgcctg tggcgtgc atcgaagagt 240
aaagaggctg gagaggagct gggcccaggg ctcctcagag caggaactcc actatgcac 300
tctgcagagg ctgccagtgc ccagcagtga gggacctgac ctcagggca gagacaagag 360
aggcaccaag gaggatccaa gagctgacta tgcctgcatt gctgagaaca aacccacctg 420
agcaccccaag acaccccttca caacccaggc ggggtggacag ggtccccctg tggtccagcc 480
agtaaaaaacc atggtccccca cacttctgtg tctcagtcct ctcagtcac tcgagcctcc 540
gttcaaaatg atcatcatca aaacttatgt ggcttttga ctttgaata ggaaattttt 600
taaaaatttt taaaaatt 618

<210> 321
<211> 596
<212> DNA
<213> Homo sapiens

<400> 321
ccagcgcagg ggcttctgct gagggggcag gcggagcttgg agaaaccgc agataagttt 60
ttttctcttt gaaagataga gattaataca actactaaa aaatatagtc aataggtac 120

taagatattg cttacgcgtt a	gattttaac gtaattttaa tagcttaaga ttttaagaga	180
aaatatgaag acttagaaga gtagcatgag gaaggaaaag ataaaaggtt tctaaaacat		240
gacggaggtt gagatgaagc ttcttcatgg agtaaaaaat gtatttaaaa gaaaatttgag		300
agaaaggact acagagcccc gaattaatac caatagaagg gcaatgctt tagattaaa		360
tgaaggtgac ttaaacagct taaagtttag tttaaaagtt gtaggtgatt aaaataattt		420
gaaggcgatc tttaaaaag agattaaacc gaaggtgatt aaaagacctt gaaatccatg		480
acgcagggag aattgcgtca tttaaagcct agttaacgca ttactaaac gcagacgaaa		540
atggaaaagat taattgggag tggtaggatg aaacaattt gagaagatag aagttt		596

<210> 322
<211> 534
<212> DNA
<213> Homo sapiens

<220>	
<221> misc_feature	
<222> (517)..(517)	
<223> n is a, c, g, or t	
<400> 322	
gagggaaaggg gagttatat tttagtgaca gaatttcagt ttacagatg aaaagagttc	60
tggagataga cggtgttgat agttgcacag cagtgtaat gtgctcattt ttaccgaact	120
taaaaaatgtt taacatagta ttatgtgatt ttatttgc cactaaaaaa aaaagaatga	180
agtactgata catgctacaa catgggtgag cttaaatac attctgctca gtgaaataag	240
ccagatgcaa aagatcacat attatataat ccacttatac gagataccta gaataggcaa	300
attcatagag acagaaagta gaatagtggt tcccaggggc tggggacaag ggggcagtga	360
gagattgaga gttattatta atgcgtacag agttcagtt tgggctgata aaaaagttct	420
gaagatggat ggtgatgatg gttgtacatc aatgtgagtg taattaccgc cactgaactg	480
cccttaaaaaa cgttaaaaag agtaaatttt atgttngta tattttacca taat	534

<210> 323
<211> 556

<212> DNA
<213> Homo sapiens

<400> 323
ttttttttc ataagaggca agtacaagaa aaagcttaat tactttaact tctaagttagt 60
ttggaatcta aataaatagg agttacccaaa tatatgcgt tctgtgaata gttttcccc 120
acatgtttat ttatatttt gcatctcatc aaacctaaca gattctaaag tctctggta 180
taatgacaat atctgctacg gagagactag cctggggaa gaggatctcc ctgaacaagg 240
atagcgagt tgctgcagct ttcaaattgaa gctggacatt tagctgcggg ggtgcaccc 300
tttgatcaag gcagccaaa gatgagttc agggatggga ctgacagaag agaaaagttc 360
ttccagccc tttctacttt ttctctttgt ttctcaggct tctggccgtc tttagtttc 420
acaagttca ctctcaaccc taaacagtac ttctgtgaag tacccttgg cccctcgtt 480
tcagctccta aactcacctg gaaatagatg tcaatctaattttggcttg actagtgcag 540
taggcatttt tggtga 556

<210> 324
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 324
ctcacacaga acaaaaatga atgagtgtgg ctgtgtgcca ctatcactgt gtctacaaaa 60
acagccagtg ggcccttgatggc tgcaatgcgc ccgtctctgt ttttggaa 120
taaaatcgca tcatttcata tggctaatgc aattttttc ccatctggaa gcaacatctg 180
attggactca tcttgtatgg tgcttgatgg agtctctgt aatgggagag ggtccgagaa 240

tagctttcc	tgtttcatc	aggactgtt	ttagggatgg	caaagaagtc	agtgtgtcca	300	
gcctgtgtcc	tcctcaccac	gtggctgatt	cctgaatctg	catgtgcanc	acntgccgtt	360	
gtctggggca	tgatctgtgt	ga				382	
<210> 325							
<211> 556							
<212> DNA							
<213> Homo sapiens							
<220>							
<221> misc_feature							
<222> (507)..(507)							
<223> n is a, c, g, or t							
<220>							
<221> misc_feature							
<222> (510)..(510)							
<223> n is a, c, g, or t							
<400> 325	cttttctctg	ggtatagatt	taccctagca	cctatctcat	tatattgaat	tttccagcat	60
atttaaataa	actattaatt	agtcacacta	tttcttaaaa	gtcacactat	caactaatcg		120
tgaccgcaat	tatctagggg	tgataatctg	ctgagtctac	tctttaata	cactgggacc		180
cagcatattg	agttatattg	gcacagaaac	ttcaactctgg	gtatagattt	accctagta		240
cttgcggca	ggatcctatt	attcatggtt	gtacaagcaa	ggttcaggga	agaggctggc		300
acagagaagg	tacctggtaa	ctgttgttg	aggctgaatt	cagctcaact	cagctccagt		360
agagatggtg	tccccttctc	taccgtgttg	agatagtgtg	cagtcccttc	ctaagggctg		420
ttacccaccc	caataggact	tgtcagcttc	aactttaaa	tttctctgct	cccgctggga		480
cccccccgct	tcaaaaatca	tcatggnggn	tttagcacca	atttagtaaa	cacaaactgt		540
ctgaaatatt	ttggat						556
<210> 326							
<211> 716							
<212> DNA							
<213> Homo sapiens							

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<220>
<221> misc_feature
<222> (567)..(567)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (666)..(666)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (698)..(698)
<223> n is a, c, g, or t

<400> 326
gaacattcaa gatagtgaga ggaagaaaaa gatatggctg tacgggaccg aggtctcttc      60
tattatcgcc tcctcttagt tggcattgat gaagttaagc ggattctgtg tagccctaaa
tctgacccta ctcttgact tttggaggat ccggcagaaa gacctgtgaa tagctggcc      120
tcagacttca acacactggt gccagtgtat ggcaaagccc actggcaac tatctctaaa
tgccaggggg cagagcgttg tgacccagag cttcctaaaa cttcatcctt tgccgcata      180
ggacccttga ttccctgaaga gaacaaggag aggttacaag aactccctga ttctggagcc      240
ctcatgctag tccccaatcg ccagcttact gctgattatt ttgagaaaac ttggcttagc
cttaaagttg ctcatcagca agtgttgct tggcggggag aattccatcc tgacaccctc      300
cagatggctc ttcaagtagt gaacatccag accatcgaa ttagtagggc tgggtctcgg      360
ccatggaaag catacctcag tgctcangat gatactggct gtctgttctt aacagaactg      420
ctattggagc ctggaaactc agaatgcaga tctttgtga aaaaaatgaa gcaagaaccg      480
gagacnctga atagtttat ttctgtatta aaaactgnga ttggaacaat tgaaga      540
                                                               600
                                                               660
                                                               716


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<210> 327
<211> 664
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<222> (586)..(586)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (631)..(631)
<223> n is a, c, g, or t

<400> 327
ccactccacc ttactaccag acaaccttag ccaaaccatt tacccaaata aagtataggc      60
gatagaaaatt gaaacctggc gcaatagata tagtaccgca agggaaagat gaaaaattat      120
aaccaagcat aatatagcaa ggactaaccc ctataccttc tgcataatga attaactaga      180
aatgaggatt ctgacaccttga ctttgatatc agcaaattgg aacagcagag caaggtgcaa      240
aacacaggac atggaaaacc aagagaaaag tccataatag acgagaaaatt cttccaactc      300
tctgaaatgg aggcttattt agaaaacaga gaaaaagaag aggaacgaaa agatgataat      360
gatgatgagt caggtaaaag ttccagaaat gtgaacaaca aagattttt tgatccagtt      420
gaaagtgatg aagacatagc aagtgatcat gatgatgagc tgggttcaaa caagatgatg      480
aaattgctga agaagaagca gaagaaggaa gcatttctga aatatgaatg aaaaaaatta      540
catctttaga aaaagagtta ttagaaaaaa gccttggcag ccgtcngggg gaagtgacgc      600
acagaagaga ccagagaata gcttccttga ngagaccctg cactttaccc atgctgctgg      660
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atgg
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<210> 328
<211> 641
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (522)..(522)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (532)..(532)
<223> n is a, c, g, or t
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<220>
<221> misc_feature
<222> (537)..(537)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (629)..(629)
<223> n is a, c, g, or t

<400> 328
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gttagtattg ctgcccttct tcacataaaat tttttttaa attataactat tattttgctt      120
aattttatat tgggttaaaaa caaccttcaa gaaggtaac taggaaagaa gaccttttg      180
ttttatTTTT actatttata tatagaagac aaatcagcat ttggtgatag ttttacatga      240
ccagttatca aacggtcata gtatgaagtg tgcagttgtt cattattagt aaattatgtt      300
tgattttaa actatTTTGTG actaatagtg gagatgaaaaa ctgaagaaaa atgccaatgt      360
gacgTTTGTG tatacgtagc cttaaaaaac ttcccatgtt ttaggtgac tttttcccc      420
ctcttagtac tctggagaaa caatgaagat gggccatctc aattccagat gtaaacaaaa      480
agtaattttt atttcaacat ttaatgtAAC tgctattatt gnggattctt gncttgngta      540
ttttcttcc cttattcaag taatataaaaaa taactttcct taaaatgatt tgatccaaga      600
tacgtcattt ctgtattggc aaaatGCCNC tattaaagtg t      641

<210> 329
<211> 132
<212> DNA
<213> Homo sapiens

<400> 329
gttaaagtga tacattttta taccaaATGT gtttattttt ttgtgcaagt aatccttaaa      60
attgcaatttG tattAGGTGT taAAATAAAG tttttaaaaa attaaaaaaaaaaaaaaa      120
aaaaaaaaaa aa      132

<210> 330
<211> 666
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> (623)..(623)

<223> n is a, c, g, or t

<400> 330

gacaacctta gccaaaccat ttacccaaat aaagtatagg cgatagaaaat tgaaacctgg 60

cgcaatagat atagtaccgt aagggaaaga tgaaaaatta taaccaagca taatatacgca 120

aggactaacc cctatacctt ctgcataatg aattaacttag aaataacttt gcaaggagag 180

ccaaagctaa gaccccccga accagacgag ctacctaaga acagctaaaa gagcacaccc 240

gtctatgttag caaaatagtg ggaagattta tagtagagg cgacaaacctt accgagcctg 300

gtgatagctg gttgtccaag atagaatctt agttcaactt taaatttgcc cacagaaccc 360

tctaaatccc cttgtaaatt taactgttag tccaaagagg aacagctctt tggacactag 420

aaaaaaacct tgttagagaga gtaaaaaatt taacacccat agtaggccta aaagcagcc 480

ccaattaaga aagcgttcaa gctcaacacc cactacctaa aaaaatccca aacatataac 540

tgaactcctc acacccaaatt ggaccaatct atcaccctat agaagactaa tgtagtata 600

agtaacatga aaacattctt ctncgataa gcctgcgtca gattaaaaca ctgaactgac 660

aattaa 666

<210> 331

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (67)..(67)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (142)..(142)

<223> n is a, c, g, or t

<400> 331
aaagagctcc caaatgctat atctattcag gggctctcaa gaacaatgga atatcatcct 60
gatttanaaaa atttggatga agatggatat actcaattac acttcgactc tcaaagcaat 120
accaggatag ctgttgttc anagaaagga tcgtgtgctg catctcctcc ttggcgccctc 180
attgctgtaa ttttggaaat cctatgcttg gtaatactgg tgatagctgt ggtcctgggt 240
accatggctg gtttcaaagc tgtggaattc aaaggataaa ttaatgaaga aaacaagcgg 300
agctgaagaa gaaagtacaa tatggtgctg tcttcctaatt gaaataaatt cactaaatgg 360
acattaaaaaa 370

<210> 332
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (612)..(612)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (677)..(677)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (690)..(690)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (703)..(703)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (713)..(713)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (719)..(719)

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (726)..(726)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (730)..(730)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (736)..(736)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (739)..(739)
<223> n is a, c, g, or t

<400> 332
agactcgagc aagcttatgc atgcatgcgg ccgcaattcg agctcgccca cttggccaat      60
tcgccctata gtgagtcgta ttacaattca ctggccgtcg ttttacaacg tcgtgactgg      120
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atccccctt cgccagctgg      180
cgtaatagcg aagaggccccg caccgatcgc cttcccaac agttgcgcag cctgaatggc      240
gaatggaaat tgtaagcggtt aatattttgt taaaattcgc gttaaatttt tgttaaatca      300
gctcattttt taaccaatag gccgaaatcg gcaaaatccc ttataaatca aaagaataga      360
ccgagatagg gttgagtggtt gttccagttt ggaacaagag tccactatta aagaacgtgg      420
actccaacgt caaagggcga aaaaccgtct atcagggcga tggccacta cgtgaaccat      480
cacccctaatc aagtttttg gggtcgaggt gccgtaaagc actaaatcgg aaccctaaag      540
ggagcccccg atttaaagct tgacggggaa agccggcga cgtggcgaga aaggaaggga      600
aaaaagccaa anggagccgg cgctagggcc tggcaagtgt acgggcacgc tgcgcgtaac      660
cacccacacc ccgcccngct taatgccccn ttcagggcgc gtnctgatgc cgnatttnt      720
cttacncatn tgtgcnggnt t      741

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<210> 333
<211> 719
<212> DNA
<213> Homo sapiens

<400> 333 taaaataatg gcaaaaaaca aacaaaaaac aagttctcta aacagaaagg aaattactaa 60
agaaggaatc ttgaaataac aggaaagagg aaataccaca gtaggcaaca ttatggtaa 120
ataaaacaga ctcccttct ttagttcct aaaatatgtt tgatgattaa tgcaaaaatt 180
acaatatttt cttatgtgc actaaaggta tgtagagaaa atatttaaga taattgtact 240
gtaagcggga gatgacagtg acataaaggc aacgtttta tacttcactc aaactttatg 300
tattaatgtt atccataaaag caaccaaaaa agctatacta agtacattca aaaacacaat 360
agataaacca aacaaaattc taaaggatgt acaagtaacc cactgaaagc tgcaaaaaat 420
gtaaacagaa actaaaaaca gagaataaat gaaaaattaa aaacgaaatg gcagacttag 480
gccctaatac acaaattatc acattaaata taaatggtct aaatacacca actgtaaagac 540
agagattagc aaagtcgatt taaaaacatg actcaactac gtgctgtcta caagaaactc 600
acttcaaata taccaagata ggaagggtga aagtaaaacg atggaaaaag atgtatcatg 660
tgaacattaa tcaaaggaaa gcaggggtgg ctatattaac atcaggtaaa ataaacttt 719

<210> 334
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (548)..(548)

<223> n is a, c, g, or t

<400> 334
tgaggnggt catgatgcan aagctactca aatgcagtcg gcttgcctg gctcttgccc 60
tcatcctggc tctggaatcc tcagttcaag gttatcctac gcggagagcc aggtaccaat 120
gggtgcgctg caatccagac agtaattctg caaactgcct tgaagaaaaa ggaccaatgt 180
tcgaactact tccaggtgaa tccaacaaga tccccgtct gaggactgac cttttccaa 240
agacgagaat ccaggacttg aatcgatct tcccacttc tgaggactac tctggatcag 300
gcttcggctc cggtccggc tctggatcag gatctggag tggcttccta acggaaatgg 360
aacaggatta ccaacttagta gacgaaagtg atgctttcca tgacaacctt aggtctcttg 420
acaggaatct gccctcagac agccaggact tgggtcaaca tggattagaa gaggattta 480
tgttataaaa gaggatttc ccaccttgac accaggcaat gtagtttagca tattttatgt 540
accatggnta tatgattaat cttggacaa agaattttt agaaattttt aaacatctga 600
aaa 603

<210> 335

<211> 71

<212> DNA

<213> Homo sapiens

<400> 335
atttatctaa tatttggttt aataaaaatgt gaataatgaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa a 71

<210> 336

<211> 622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (617)..(617)

<223> n is a, c, g, or t

<400> 336
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gcatctcag ctcactgccca cctcacccctcc taggttccag agattttgt gcttcagcct 120
cctcagtagt tgagaataaca ggaacacgccc accacgccta gctaattttt gtatTTTtag 180
tagagatggg gtttcaccat gttggccagg ctggctcaa actcctggcc taagtgaccc 240
acctgcctca gcctccaaa gtgctggat tataggcgtg agtcattgtc cccagccgga 300
tgTTTcatc ttgatttgc ttagttcta aatctcatcc tctccatttt ctccctgttag 360
tagtcacaga gaaccaaatt ctgtcaagtt atgaaactaa agtctctttt ccacaagttt 420
tcctgtgttc tgcctcaagt gaacttgaaa gaacatcagt ttgtggaaag gttgaagacc 480
aatgatctg ctggaaatc actgaggcat tgccattctc ttgaggaatt tcattttcat 540
cgaagtttcg gtttatatcc ctttcttggg gactactatt gctgttatgt aaattaaatg 600
agtcgtcatc cttctntga gc 622

<210> 337
<211> 501
<212> DNA
<213> Homo sapiens

<400> 337
gtgaaatcac tttcatggat tattaatgga tttaagaggg catcaatcag ctcaactcaa 60
gatttcataa tcatttttag tatttagatt gtgcctcaa gttgtgtac ctcacaatac 120
ctccactggg ttcctgttgt aaaaaccttc agtgagttt accattgtgc tcttggctct 180
tgggctggag taccgtggtg agggagtaaa cactagaagt cttagtaca aaactgctct 240
aggcacacct ggtgattcct acacaagtga tgtttatatt tctcataaaag agtctccct 300
atcccaaggt cttcatgatg ccagtagcca tatatgataa attatgtca gtgataactt 360
agttatcaga aatcagctca gtggcttcc ccggcatgat tcacattga tgagtttta 420
aaaatcaaag tgatttgaa aatctctaattt ggctcagaaa ataaaaacat ccagttgtg 480
gatgactata ttttagatttc t 501

<210> 338
<211> 630
<212> DNA

<213> Homo sapiens

<400> 338
ttgtgtttt aggactcctt atctaaatta aggtagagaa gttacagtat ttatatctgc 60
attaaatctc aattccagaa aaacctttg aaaaattatt taatcctctg gaaactattg 120
atatgataca ggagaaattt tcagaagttt attgaataat ttaatatcat ttaataggac 180
actctggctt gtatataagc agatacgta ctcagacttc ttggctgtac tctaaaataa 240
tatatgtact agtctcctaa atattactag ctcacccccc aaaatgcata ctaatattc 300
aatgtctttc ttcaatttga aaagctcttg aatatctact tgtgatagcc ctaagagctg 360
agataattat ttccaggagg ttgaatccct gattcttaac tggtcagcaa tgcataagca 420
agagagaata tgacataaga ggaccatttc tacattagcc atttttttc acaagataacc 480
tatgtgaata cagggcacct gggagggtaa gtggaggact atttctaact atatttataa 540
gcacatactg atatttgtga atcaaaacct acagcagtgc ttctcagatg ggaagggaga 600
caatgtgtaa ggagatcagg aattcattag 630

<210> 339

<211> 122

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)..(4)

<223> n is a, c, g, or t

<400> 339

ccanaatcca ctctccagtc tccctccct gactccctct gctgtcctcc cctctcacga 60
gaataaaagtg tcaagcaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aa 122

<210> 340

<211> 640

<212> DNA

<213> Homo sapiens

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<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (612)..(612)
<223> n is a, c, g, or t

<400> 340
ttttttttt ttttttttc agagtcacag atattgtata gctgaggtaa gcattttaca      60
acttttcaga cacaagtaag tacataaata ttatTTTACA accaacaATN ttAAATATT      120
ccacattgaa naatAGATGT gataattaaa TCTTTATAA ggTTTAAAA agACATGAAA      180
cataaaccta attatacata aaAGAAAAGA ATTttaaaca agAGCTTATT gNGATGACAT      240

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tactcataac ttttaccttt	aaaacctttt	cttgggtagc	tattcaaaag	taaagaccac	300	
aagttttgtt	gcccanattt	cttatgtnn	gtatattaa	gctcttatt	tattgaacag	360
atgngtcatt	aattcatng	gagcattact	attatcgta	aaatttgatt	ttttttccc	420
ctcagtcata	gttaaatcag	ctccacctgg	aatttctaag	gaccaggatt	tagtcaatat	480
tttcaagtaa	tcatgaccc	agaaatagtc	ttaattaaga	taacaaatat	tagccatcaa	540
aatggAACCA	agacaagatt	ctaattgttg	taaacagtca	atccatattt	atgaatattt	600
gcataatttg	gngaatagtt	aaggcaaaag	ggtctagcag			640

<210> 341
 <211> 667
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (505)..(505)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<400> 341	ttgtttttt	aggactcctt	atctaaat	aggcagagaa	gttacagtat	ttatatctgc	60
	attaaatctc	aattccagaa	aaacctttt	aaaaattatt	taatcctctg	gaaactattg	120
	atatgataca	ggagaaattt	tcagaagttt	attgaataat	ttaatatcat	ttaataggac	180
	actctggctt	gtatataagc	agatacgtta	ctcagacttc	ttggctgtac	tctaaaataa	240
	tatatgtact	agtctcctaa	atattactag	ctcaccttc	aaaatgcata	ctaattttc	300
	aatgtctttc	ttcaatttga	aaagctctg	aatatctact	tgtgatagcc	ctaagagctg	360
	agataattat	ttccaggagg	ttgaatccct	gattcttaac	tgttcagcaa	tgcataagca	420
	agagagaata	tgacataaga	ggaccatttc	tacattagcc	atttttttc	acaagatacc	480
	tatgtgaata	cagggcacct	ggganggtaa	gtggaggact	atttctaact	atatttataa	540

gcacatactg atattgntga atcaaaacct acagcagtgc ttctcagatg ggaaggaga 600
caatgtgtaa ggagatcagg aattcattag tcaccttca gatggttaa tgcatacagc 660
tgtaccg 667

<210> 342
<211> 591
<212> DNA
<213> Homo sapiens

<400> 342
ggagtttag cagatccttc aggagcggaa tgaactcaa gccaaagtgt tcctgctcaa 60
ggaggaactg gcctacttcc agcgggagct gctcacagac caccgggtcc ccggccttct 120
gctcgaggcc atgaagggtgg ctgtccggaa gcagcggaa aagatcaagg ccaagatgtt 180
agggacacca gaggaagcag agagcagtga ggatgaggct ggcccatgga tcctgctctc 240
cgatgacaag ggagaccatc ccccaccccc ggagtccaaa atacagagtt tctttggcct 300
atggtatcgg ggtaaagctg aatcctctga ggatgagacc agcagccctg cacccagcaa 360
gctaggggga gaagaggagg cccaaccaca gtctccagct cctgatccgc cctgttctgc 420
cctccacgaa caccttgtc tgggggcctc agccgcccc gaggcctgac ttaggggtct 480
ggctgtggaa ggatgtgtgg cctcaaatga ggacaggct cccgccttca cagccctcgc 540
caggggtctg ccccaatcct ggcctgcattc aggcaaggac ggggtctcag c 591

<210> 343
<211> 642
<212> DNA
<213> Homo sapiens .

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (622)..(622)
<223> n is a, c, g, or t

<400> 343
gcaagtcttc agtatgtaca tttatcccct agaagaagaa aaatttagttg tgcatgaaaa 60
agaaaacatta actgcaaagc taaatgctca cactctaaat cagtgctctc caaagtacag 120
caggcgggaa aagaaaatgg tagattttt tcttccaatt actttaactt attctttta 180
atggacactt catacataaa tatattcaca atatattaat atatacataa tgtataagca 240
tacatattga atgtgcagtc aaaaaatgta ctaatggaat gctctaccaa aacaagttca 300
cgttcatctg taaaatggga ataatatttt taaaaggcat acagtctgaa catttttaga 360
ttattcataa aatctattca gaaagttaaa ctaaaaaatt taacgtatgc ctataacaaa 420
ttttgtactt aatgtaattg ntttcatcc tgagatctaa tattcctcggtt tttaagttaga 480
gccacttgtt tgctacagtt tagtcaaaac gttaacatta gatgggtaaa gtaatatgaa 540
atcttctac tactccaaaa tagaaaacag aacattaaaa agataaaaat tcaaacatac 600
ttaccagtag atttcaact gngcaaaagc tcattgcatg gg 642

<210> 344
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (587)..(587)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (590)..(590)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<400> 344
gttttccacc gtgaagagaa catttcctct ggaaatgaca aagccctcag gaacngctt 60
tatttctatt ggaagatgcc catcatactt ctggcaggat aaaatgataa atttatttat 120
tcaacagatg atactcaatt ccctgctgtt ttactaaagg ttctttacgt tttatagaag 180
ctaaatttac tgtcatagaa attgcaattt tagatgttac tgtaatctag tcagaatatc 240
cttattccttc taaaataaaa ctagttaaaa ttattaacat acgtactgtat attaatttt 300
aagtttaatg ctgccacgtg cttctgctaa gaacatttat cactacaagt ggcagaaaat 360
tccaaactca tcaaaaccaa actgttgctt cttccctgct tttcagaaa atgagaaagg 420
atgactttat tccaacatat tctaaaagta ttccaagaac actacctta ttctaaattc 480
gttattttca caaaataaaag gctgcagatt gaaagataaa ggattgctat taaagaacaa 540
aagaaaaacaa aaccgagaga gaaggagagc tagggaaatc cctgcanaan aaccgaatan 600
ggtcacctcta ttctggccg gggcctgaaa ctatgaaaca ggccaacaca gaatcttggc 660
a 661

<210> 345
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (628)..(628)
<223> n is a, c, g, or t

<400> 345
cctctgactc gctcagctca cccacgctgc tggccctgtg agggggcagg gaaggggagg 60
cagccggcac ccacaagtgc cactgcccgaa gctggtgcat tacagagagg agaaacacat 120
cttccctaga gggttcctgt anaccttaggg aggaccttat ctgtgcgtga aacacaccag 180
gctgtggcc tcaaggactt gaaagcatcc atgtgtggac tcaagtccctt acctcttccg 240
gagatgttagc aaaacgcattt gagttgtgtat tgttcccagt gacacttcan agagctggta 300
gttagtagca tggtgagcca ggctgggtc tgtgtctctt ttctcttctt ccttagtctt 360
ctcatagcat taactaatctt attgggttca ttatttggaa taacctggtg ctggatattt 420
tcaaattgtt tctagtgcag ctgattttaa caataactac tgtgtccctg gcaatagtgt 480
gttctgatta gaaatgacca atattatact aagaaaagat acgactttat tttctggtag 540
atagaaataa atagctatat ccatgtactg nagttttctt tcaacatcaa tggtcattgn 600
aatgttactg atcatgcattt ggtgaggngg tctgaatgtt ctgacattaa caattttcca 660
t 661

<210> 346
<211> 115
<212> DNA
<213> Homo sapiens

<400> 346
aaacttttgtt ggcaacagtgc cactaatttg gataatgtttt gttcccaata aattaagagc 60
caaattgttaa aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa aaaaaa 115

<210> 347
<211> 634
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (593)..(593)
<223> n is a, c, g, or t

<400> 347
gccaggctt gtgaattaca ggacatttga gacaatcgtg aaacagcaaa tcaaggcact      60
ggaagagccg gctgtggata tgctacacac cgtgacggat atggtcggc ttgccttcac      120
agatgtttcg ataaaaaaatt ttgaagagt tttaacctc cacagaaccg ccaagtccaa      180
aattgaagac attagagcag aacaagagag agaaggtgag aagctgatcc gcctccactt      240
ccagatggaa cagattgtct actgccagga ccaggtatac aggggtgcat tgcagaaggt      300
cagagagaag gagctggaag aagaaaagaa gaagaaatcc tgggattttg gggctttcca      360
atccagctcg gcaacagact ctccatgga ggagatctt cagcacctga tggcctatca      420
ccaggaggcc agcaagcgca tctccagcca catcccttg atcatccagt tcttcatgct      480
ccagacgtac ggccagcagc ttcaaaaggc catgctgcag ctcctgcagg gacaaggaca      540
cctacagctg gctcctgaag gagcggagcg acaccagcga caagcggaaag ttnctgaagg      600
agcggcttgc acggctgacg caggctcggc gccg                                634

<210> 348
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

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<400> 348
gttgcgggt cctgtataa ctctgttaa catttgagg aactgtgaa tggttttca 60
cagcagctgc ctcattttt attccatca gcagtacttc ttggttctaa tacctccacg 120
ttctcgccaa cacttgtgt tgcgtgtat ttgcgtgtt gcatcccag tggggatgaa 180
gtatgtatctt actgtggtt tcagttgcgt ttccctgata attaatgatg gtgaacatct 240
tttcatgttc ttgttggcca tttgtatgtc ttcttggaa aaaaaaaaaatg tctgttcaaa 300
tcctttacaa agtatttatt ttttatgtca acaatataac cactcagtagtac actgctttt 360
anacaatgat cttaaagg ttttttaca acatttagca cttgaaattt taaggttatg 420
ccctcaaaaa aattgctgag ggagctaagc tatgaagatg caaaggcata anaattatac 480
aatggacttt gggggaaatcc agggaaaggg tgggaggggg gtgangga 528

<210> 349
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 349
tcgactctga ttttttttc tcttcctcg cagccgcgcc agggagctcg cgngcgcgg 60
ccccctgtcct ccggcccgag atgaatcctg cggcagaagc cgagttcaac atcctcctgg 120
ccaccgactc ctacaagggtt actcactata aacaatatcc acccaacaca agcaaagttt 180
attcctactt tgaatgccgt gaaaagaaga cagaaaactc caaattaagg aaggtgaaat 240
atgagggaaac agtattttat gggttgcagt acattctaa taagtactta aaaggtaaag 300
tagtaaccaa agagaaaatc caggaagcca aagatgtcta caaagaacat ttccaagatg 360
atgtcttaa tgaaaaggga tggaactaca ttcttgagaa gtatgtggg catcttccaa 420

tanaaataaa agctgttccct gagggctttg tcattccag aggaaatgtt ctcttcacgg 480
tggaaaacac agatccagag tgttactggc ttacaaattg gattgagact attcttggtc 540
agtccctggta tccaatcaca gtggccacaa att 573

<210> 350
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<400> 350
tcatttacat taatactcaa aactgctcgta ttaagcaggt gctgttctta tcgcatttt 60
gcatatgatg agaaaggta aggtcaccca gctagtattt ggctcacagc aggccttaag 120
acttggtttg tgtgactcat cagtccacgc tcctaaaacc actaagttgt tctacccttt 180
aatgttgaat taacattgga tagtgttcaa gtttanatgg gtgggtgagg gcccaaggac 240
ctttcaaact cagatctctt attaataac ctggtcccag atccattcct ctgtcgaaga 300
ggaagtcatc cttcagtggc tattcattgt ggggttaaga gcgcagacta tgaattcagt 360
cttttgggt cccagttgc cagaccttga gtgagtgccc cgagttact tacttgtaaa 420
gttaggtgga ggtaatataa ttaaataaac ttaaaaaaact aattaaaaac aaaacaaatg 480
aactaaggc tttaggatatc tggcgtctat tttgcgccaa atcacataat gtctattgtt 540
gtgtgttggta ctataggatt gtccttaac aggaaagggt ttatttctgt aatcaagtct 600
gtcaatatta tgaccatgtt gataatagct accttaatt gagggcttcc atgtgccaa 659

<210> 351
<211> 517
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<400> 351
tcagtggaaa agggcaggtt gaatcaaggt gaatcaatct gaaattgagc acacacctgcct      60
gccatcgctg ttccttcaac tgagtgctgc acatcatggg ctctgtctgt gagagaaaaaa      120
tcccggtgct tggtgtcctt gcatgacatg gagtttgca tgtagatcaa tttaaaatgt      180
acctcttgc ttacataattt gcataatttt aaaagataat gttgcacaaac tttggaaatg      240
ttaatgttca nactgaaaat ctccactaca tgtaacttcc ttccctctgga tcagtggcat      300
ggcttataat cccagccagt ggttgaact gttccagtgt caactgccat gtgctctgct      360
tcaaggggga actagcctt tgtgaatttt ttgtacataa gtatttgtt caaatatttt      420
agcaaatgct ttctatttct cttgcttgcg catatcttgg ctggcggtac agaaaaatag      480
tgtaaacatt attccttac cgggaaatga gggtttt                                517

<210> 352
<211> 174
<212> DNA
<213> Homo sapiens

<400> 352
agcacctggc acagagtagt agctaacaca gatgttaatt ttgctgcgtc aaatgtttc      60
actttgaatc tctcttgagt attgttctcc ttattgatta catgatgaca tcctgtttc      120
tctccctgac ctttactgtt tgtttagaaa aaaaaaaaaa aaaaaaaaaa aaaa      174

<210> 353
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature

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<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (635)..(635)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (642)..(642)
<223> n is a, c, g, or t

<400> 353
cagagagctt gttccctccc tccctgtgca tgcaaacaag agggcatggg agcacacaga      60
gagatggcag ccacacctacaa gccaaagagga gaaggcctcac aatcaaactc tcgctgctgg      120
cgagagtctt ggactctgtc ttggacttcc agcctccaga ctgtgagaaa caaatttctg      180
ttgtttcagc ttctcagtct ctgggtttt gttattgcag cctgagaaca cagctgtacn      240
attatnaggg aaacagaaaaa cactgatact taacaatgct aatgcaatta tttatttgct      300
tttcagtc tacaacacgt tctaaaacac taatctaaat attaacagta aaatatttgc      360
ataaactaatg gaaaactaaga aatcatatga ccaatatttc acttatttgt aatcttactc      420
tactgatttc cccccagact gtgattttg aacttccttg cctttctcct gtctttctgn      480
gtttattcat ggaattccag ttatctggc ttgaaattgc aggctctcct aacttaagca      540
aaatctgaca gatcagcaaa atgagataaa tgtttcttt ttcttctga ctgcattaaa      600
tcagatacaa ctcagcatta aaaagctatc tttgnaaaat gntggtacta ataaattagt      660
ctta                                         664

<210> 354
<211> 661
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (554)..(554)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (644)..(644)
<223> n is a, c, g, or t

<400> 354
ccagttccac attcagtgaa gtcatgaact tgaaattggc catgatcaaa aagtatttaa      60
atcacagaag ttgcaaatgc cacaatcaa ggtcttttc tcttggagaa cctgttaaac
atcacacaac tcacgaccgc catgcaccca atactgcaat aggtctatacg atgcagatac      120
tgtctccatg aatcttatag gctagaaagg aaatagataa gtagtcctac cagaagaaca      180
tgatgaaggc atttgtgta aacagaatga tggccccca aagatgtcca catcctaatac      240
cctgaaggcct atgaatatac tactttactt ggcaaaagg actttgccac aggttttaa      300
ttaaggacct tgaaatagag agattatcct ggataatcca gatggccccca gtgtaatccc      360
aagggtcctc acaaagggtta ggaaggagag ccagagtcag agaaggagac gtagcaatgg      420
aggcagaggt canagagaga tctgcagatg ctgctgtgtt ggcttgaaa atgaggaatg      480
caggtgacct caangngcta gatgatgcaa ggaaacaaat aatctcctat gaaccctagg      540
atggcatta ttatgagtcc tattttataa acaaggaact gacntccaga aagataaatg      600
                                         660
c                                         661

<210> 355
<211> 626
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (564)..(564)
<223> n is a, c, g, or t

<400> 355
ggcagagggt gcagtgaact gagatcatgc cattgcaatc cagcctggc aacangagtg      60
agactccatc tcaaaaaaaaaaaa aaaaaaaaaaaag acaagagtnt ccactctaaa cacttntatt     120
caacatagtc ctgaaagtgc tagccacagc aatttaacaa gataaagcaa taaaatgtat     180
tcaaataagaa aaagaggaag tcaaattatc ttcaactggng atataattct ctacctggaa     240
aacttcaccg aaaaagattt caccaaaaga tttctaagcc taaataatga cttcagcaaa     300
gtctcaccat acaaaatcaa catacacaaa tgagtagcat ttctgtgcac caataatatt     360

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caagctgaga aaaaaagaac atggttctat ttacaatagc tacaaacaaa aaaatatgt	420
cctagtaata cattaaatca aggnngtaaa atatctntac aacaagaact acaaaaactgc	480
tgaaaaaaaa tagagacacg caaataagta aaaaggcact ccatgctcat gaatttaaag	540
aatcaatata attaaaatgt ccngctgcc taaagcaact tacagattaa aggctattc	600
tctcaaacta taaatgcacc ttttta	626

<210> 356
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (543)..(543)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (569)..(569)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<400> 356
gtcattgctg ggtggcgcca gccctcagac ttgcctctt gcagttagaa gaaggcctcc 60

ccacataacct tcccacactc atcacctaa gccagactcg gtgtccagtg aatatgacca 120
tctcttgcggc attttctaatt gagtgtttc attaatgagt tataagaatg tggtggtaa 180
atctatggc tttgaactag tgaatcaact tggttcaga atctggcact gctacttact 240
agtgaatttta agcaagttat ttccaccttc agagtgtcag ttccctcatg catacaagga 300
agataaaaaaa taatgtntac naaagtattt gagtaattaa tacatggaga actacatgt 360
aagcgtttag catgatgtct gacatattaa gcatccaata ttagtngctt gcagaattat 420
tagtaaaaaga gattgcttct gaaagccatt ccaattctta aattttataa tgccacattt 480
gaggtcacct gaagtcgtgt ataacatgtg tacatttttgcgatttattt tttcaattcc 540
canattaaag gcatagagat atcctagcna nggactccaa gtgtg 585

<210> 357
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<400> 357
gtaattgcag cctgggcaac ggagtgagag actgtctcag gaaaaaaaaa agaaaaaaaaa 60
ctactgaggt agttgaatat atcctccatt ccccatttgt ggatttagtta gttaatgggg 120
catcttaggg tttaaatatg tccagggtca ctgaggatca gatccttaggg ttcctttgac 180
tcaaggctt tgtctcagca aaacgtcacc ttccagcagg aaggcttct caggcaagta 240
gcagggtaggc tactatgtat cgcttcttta tttttcttt tttaaaataa tgcaggcacc 300
gtgcgcataa tttaaaaaat cagtgcataa acccttaaaa aaaaaaagct gttctcatct 360
cctgtcttcc tttttttttt ctttttattt ttttctttta ttattattat acttttaagtt 420
tttaggtaca tgtgcacaac gtgcagggtt gttacatatg tatacatgtg ccatgtnggt 480
gagctgcacc cattaactcg tcatttagca ttaggtatat ctccataatgc tatccctccc 540
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 aaaggaggag taaggctgga nagataggaa tggtttaaag tctttttaa aaatttttt 180
 aaaaaaatct ttatcacaag aagaggattg gcntgatcaa atttgacttt taaaaanatt 240
 acttgggttg ggcatttatca aatactactt agggagatta gtttanatga taatggcatt 300
 ctggaccana gtggagtcag aggtgaaaag aggttagatat tccanaattg agggatttgt 360
 gaggtgaaat catttggttac agatattaaa ggataaggag ctttgcataaa gggatctta 420
 agtttctggc atggtaactg gtttagagag ccctggaaca tgaccagctt taaggaaaga 480
 gagcttgagc tctgttcttg ttaagctcag tttgagatct ttgtggaaatc aagtggagag 540
 gtctaaggcag ggaactggct tggctaggct gtaaagatga atctgagagt cccaagaata 600
 tggtaattat taataaaagc cttaggtana tgaaattgtt ttggg 645

<210> 359
 <211> 509
 <212> DNA
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<400> 359
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 tgggtgaagg ctacatgaga cctctctgta cttaatctt gcaacttatg tgaatctata 180
 attattccaa aataaaaagt tttaaagaac ctaagtatcc ttattactga gggcatcg 240
 gcttagacagc aagggtggc cagagctct agttattaa aatactaaat accagctgg 300
 gcaacatagc aagaccctgc ctctacaaaa agcaaaaaaa ttagctggc atgggtgtac 360
 atgcctgtgg tccttagttac tcttgagga gtctgaggtg gggagcttga gcctaggagt 420
 ttgaggccgc agtggccctt gattgtgtct ctgtactcca gtctggccca cagagcaaga 480
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<223> n is a, c, g, or t

<220>
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<222> (149)..(149)
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<400> 360
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aaaggagta gcttgaagcc acatagtagt tagtgtaaa ggccaccct tttcccacaa 120
ctcacaccag caccacaagc tagccttnt aatttccaag ccagtgcctt ttcaacgcac 180
acacccctgt gtcagttccc tttctgctgc aagctctctg gaggcagata ctgttgagtc 240
cctggcctgc ctatgagaac ggctcatgat ctctatttct tctgcttaat gaccatctcg 300
aagtaacaag tttagcctaa aataaacttg ctaagttagc aaaggaagtc ctttagcagcc 360
accatttctc gattcctcca tcacctcccc tgcccctcaa ctccctcatt tctcccaaga 420
tatgggctcc aggctgggcg cggtggctca cgcctataat cctagcactt tgggaggctg 480
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<212> DNA
<213> Homo sapiens

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<220>

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<211> 579			
<212> DNA			
<213> Homo sapiens			
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ctacatgtgc gaggcagcat gaaggcaaaa agcctgggg catgttcaga gaatagcaag			120
tattctagtt tgagtggcac ctggtagcata tataaggaa tagtaaaaaga tctggctgga			180
aaggaaaaagt aggggcaggt tacgaaggac ctctgaaagt cagactgtgg aactggaact			240
tttatcagga agcagtagtt agtttttca agcaaaagct aatttagagtt gatatttagg			300
aggatgaatc taacagtgt gtgcaaggat gccttcaaacc tgagtgagac tagtactgga			360
gactggtaa gagactacaa caataacctg agtaagaatt aatacaggcc tgacctagtt			420
ttgagtgagt aggattggaa acaagagttt tagtattat aggatttatg catataaaat			480
ggacttgaca gaacttgaag aaagagaaaag tgtcaaaaagg acacagaaaag tgaggcagga			540
tatcttacaa tttttaaagga aaggaataat agaagttac			579
<210> 363			
<211> 185			
<212> DNA			
<213> Homo sapiens			
<400> 363			
ggaaacataa gcttgttca gtacactcac gctgttagatt aattctgata ttacatatct			60
ccatcagact ttgtaccctc tctttccat cccttaccct taccgattag gttggattta			120
cctaaaaatc catagaaaat gtccaggtga attgccttat gctttctacc ccataaggta			180
taatt			185

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<210> 364
<211> 649
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

<400> 364 ctctgtggtg tgagaacaca gtgggtgacc aaggcttcc agatgaaccc aaggaaagtg 60
aaaaagctga tgctaataac cagacaacag aacctcagct taagaaaaggc agccaagttgg 120
aggcactctt cagttatgag gctacccaac cagaggacct ggagtttcag gaaggggata 180
taatcctgggt gttatcaaag gtgaatgaag aatggctgga aggggagtgca aaggaaagg 240
tgggcatttt ccccaaagtt ttttgtgaag actgcgcaac tacagatttgc gaaagcactc 300
ggagagaagt ctaggatgtt tcacaaaacta caaagctgaa gaaaatgaag ccctattact 360
tgtttgcataatg atttagcacc cttctgctgt atactgtact gagacattac agtttggaaag 420
tgttaactat ttattccctg ttaaaaattta acctactaga caatgatgtg agtacccagg 480
atgatttcctt ggggcacagt gggtgaggag atggggacag gtgaatggag gagtttaggg 540
agagaaaaag tggatggaaag tgtctggaaa gggcaccaaa aaagtcttcc aggtctgatc 600
ctgtttcttg ctctgagtgc tagctaccac tgtgtcacac tgtaacatn 649

<210> 365
<211> 655
<212> DNA
<213> Homo sapiens

<220>
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<222> (607)..(607)
<223> n is a, c, g, or t

<220>
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<222> (644)..(644)
<223> n is a, c, g, or t

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<400> 365
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tcctgcccact tctgcatggaa gttgggtgg ggccattggaa gaaaagaggt taaacaagca 120
gtaatttact tgagtacagt ctttgagcca atgaaatgcc agtcatcatt tcccagggt 180
acttgtcatc ttgtcaacaa cccgctgata atgctccttc aatgtgaata gcaaaagtag 240
ggagagacgc tgaatgaaga agatgcctac ccctcaggaa gactgctgtc cgccctccagg 300
cctgcatgca cacacccatg cccacctgca cccccagcac cacgcccaca ctcactcgca 360
cacacccaca tgccagtgtt ttgggttgg cagcctggac actgctgagg caaacacaag 420
tcatcaagca taattctcat tctctccttc tgtctctgtt ttagttacag gaatttggtc 480
agtttagagg atttaataag tccgtggaaa atttgtttct gtctcttgct acccacgtga 540
aaagtaagtg catgcttcat gatgtgtttt cccactacct tccaggccag ccgagcccac 600
tggccanggc ctggcccggt gacactcggtt gacactgtcc tcangccact cactt 655

<210> 366
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<400> 366
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atgacttcct cgtatggtaa acttccagta atctccctca tcataactgaa atgatatcag 120
tatatcatca gaacaccatg gagcttgtca tttgagggac acagcttgct tgtgtgcttg 180
ggaaagaaga ggttagcat ggttcaggt cagtgtatgag tccaatgatc tctgcaagtt 240
cccttagctc tganaattct gatgtcatat gcacttctgc cgccagagtt gctgcttact 300
ggatgcgtaa gaagaaaaaga aaaaaaaaaaaa aaaa 334

<210> 367
 <211> 582
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (506)..(506)
 <223> n is a, c, g, or t

<400> 367		
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tctgactgct tccctgttagg gattgtctgc aagcgcacac ctgcattttc ttgtccacaa	120	
gtctatgctc taactctgtc acctgcattgg ctgcaaatttta gcttcattct tcctgccctc	180	
ttctctcttag cttggatttt gaatttgaat ggcaggcatg ggatgtccgt gtgtgtgtac	240	
tgctgatgtg tacagccgct tggtagcgct ctcattgtct tcaaattgtaa gtcattttgg	300	
ctgggtgcgg tggctcatgc gtataatccc acgcatttggg aggctgaggt gagctgatca	360	
ttttaggtta ggagttcgag accagcctgg ccaacatggc aaaactccat ctctaccaaa	420	
aataaaaaaa ttagctgggt atggtagtgc acgcctgtaa tcccagctac ttggaaatgct	480	
gaagcaggag aattgcctga acccangagg cggaggttgc ggtgagccaa gatcacgcct	540	
ctgcactcca acctgggtga cagagcaagg ctgtgtctca aa	582	

<210> 368
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 368		
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aaacagacca atggaacaga atagagatct cagaaataaa actgcacatc tacaaccatc	120	
tgatcttcaa caaacctgac aaaacgagca atggggaaag gattccctat ttaataatg	180	
gtgctggag aactggctag ccatgtgcag aaaattgaaa ctggaccctt tccttacacc	240	
ttataaaaaa attaactcaa gatggattaa agacttaat gtagaaccctt aaacgataaaa	300	
aaccctagaa gaaaatctag gcaatatcat taaggacata gacatggca aaaatttcat	360	

gatgaaaaca tcaaaagcaa tggcaacaaa agcagaaaact gacaaatggg cttctgcaca	420
gcaaaagaaa ctatcgtag agtgaacaga caacctacag aatgggagac agttttgca	480
atctatccat ctgacaaaag tctaataatcc agaatctaca aggaatttaa	530
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<211> 653	
<212> DNA	
<213> Homo sapiens	
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<221> misc_feature	
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<223> n is a, c, g, or t	
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<221> misc_feature	
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<223> n is a, c, g, or t	
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gctgaggctg aaggatcact tgagcccagg agtttggaggc tgcaagtgagt gagccatgat	120
catgccagtg tactccagcc ttggcagact gagcaaaact tggccctcg caaaatgttg	180
aagcccagtt ttcactattt acctgtatTT cagttcccc atgctaactt tgaaacactg	240
gggctggcct gagggtataa aggcttattc aaactcagta atttaaactt aaaatcctaa	300
ggaacttcaa aaagtgtaat ctagtccaaa tggggcatca attctaaagc atttgcttgt	360
ttgagcagat tttctgtgtc tgaggtatat agataactta tcttttatg actaaatcca	420
agtccttagt tcctgttgg attcaaaatc atatTTaaa attgatgctt tgTTctataa	480
ttaatgcttt gattgtataa ataataagta ttcttccaaa tccctttta cagatgatga	540
ttctgataacc gagacgtcaa atgacttgcc aaaatttgca gatggaatca aggccngaaa	600

cagaaatcag aactacacctgg ntcccagtcc tgncttaaa attctaactc gac	653
<210> 370	
<211> 595	
<212> DNA	
<213> Homo sapiens	
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<223> n is a, c, g, or t	
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<223> n is a, c, g, or t	
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<223> n is a, c, g, or t	
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<222> (544)..(544)	
<223> n is a, c, g, or t	
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cgaaggaatt tcgcagagct gaagatcaag cgcctgagaa agaagttgc cccaaagatg	120
cttcgaaagg caaggaggaa gcttatctat gaaaaancaa agcactatca caaggaatat	180
aggcagatgt acaaaancgt aattcgaatg gcgaggatgg caagaaaagc tggcaacttc	240
tatgtacctg cagaacccaa attggcggtt gtcatacgaa tcagaggtat caatggagtg	300
agcccaaagg ttgcgaaaggt gttgcagctt ctgcgccttc gtcaaatctt caatggacc	360
tttgtgaagc tcaacaaggc ttgcattaac atgctgagga ttgttagagcc atatattgca	420
tggggtacc ccaatctgaa gtcagtaaat gaactaatct acaagcgtgg ttatggcaaa	480
atcaataaga agcgaattgc tttgacagat aacgcttga ttgctcgatc tcttgtaaa	540
tacngcatca tctgcatgga ggatttgatt catgagatct atactgttgg aaaac	595

<210> 371
<211> 651
<212> DNA
<213> Homo sapiens

<400> 371
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gaagtacgaa tatttgcaaaa atacacccttc aacttcaaag tgattcttga caaaaattat 120
aaggaatcat tttggacaca ttttctggta gagccttgta aaaattaaaa ccaagtgtg 180
tttcaagaa gaactgtaat acataatcag gaatttgagt agggagatta ttttgttatt 240
taaaattaaaa gtggctgtgt agtttaact ttagtattgc aggtagagta agcttacatg 300
ataacaaaaa tcttggtctt agtacttta tgattctgat atttattgat tgattggta 360
tcattccaaa tattttaaaa gataatagct ggctgggtgc ggtggctcat gcctgtaatc 420
ccagcacttt gggaggccag gacgggcggg tcacgaggc aggagatcaa gaccatcctg 480
gctaacacgg taaaaccccg tctctactaa aaatcaaaaa attagccggg tgttagtggcg 540
ggcacctgta gtcccagcta ctcaggaggc tgaggcagga gaatggcatg aacctggag 600
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<210> 372
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<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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tcagggagg tggaggagga gggcttgcca agtactgca acatctgtca cccactatac 120
ccagttactt gggggaggac agacactgtg gtgtcattaa agttgttga accaaagtgg 180
cggctgcattc tttgtccccga tgctagccgt gccggctcc catcatccgc tcggccctcct 240

ttnccctggg ctgcgccac ttgtcttcct ggatattgg gggtgactcg ccatgcttgg 300
caccctctgc ttcctggtgc tgctctgact cgaagacggg acagtccctg gtgcacatcc 360
agggaagagg agtgtcgta gttttgcag taggcacttt atcaggacct gacctgttgc 420
tgggtgattt tagtctctac aaacagaaaag cgtttcaaag cgtcagctgt gggagcagag 480
tgacccttg ctgatgctgg ggggagggga tctaaatcct catttatctc t 531

<210> 373
<211> 602
<212> DNA
<213> Homo sapiens

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<222> (577)..(577)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 373
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ccatcaaccc tcttggttga ggccttgttc tgagccctga catgtgcttg ggcactgg 120
ggcctggct tctgaggtgg ctcctgccc tgatcaggga ccctccccgc tttcctggc 180
ctctcagttg aacaaagcag caaaacaaag gcagtttat atgaaagatt anaagcctgg 240
aataatcagg ctttttaaat gatgtaattc ccactgtaat agcataggaa ttttggaa 300
agctgctggat ggcttggac atcagtgaaaa ccaagggttc tctgtccctg gttcaactgt 360
gatttggctt tccctgtct ttcctggtga tgccttgttt ggggttctgt gggtttgggt 420
ggaaagaggg ccatctgcct gaatgtaacc tgcttagctct ccgaagccct gcgggcctgc 480
tttgtgtgaac cgtgtggaca gtggtggccg cgctgtgcct gctcgtgttg cctacatgtc 540

cctggctgtt gaggcgctgc tttaacctgc acccctncct tgctcatana tgctccttt 600
ga 602

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<213> Homo sapiens

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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

<400> 374
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ccgggcgtgg cggtcacatgc ctataatccc acttacttgg gaggctgang taggagaatc 120
gcttgaaccc ananaggcag agtttgcagt gagccgagat tgtgccattg cactccagcc 180
tgggcgacag agcgagactc catctaaaan aaaataaatg aataaaaataa 230

<210> 375
<211> 483
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ctttccatga tatgtatTTT ttatacattg ctggatttt aTTGCTAATA ttttacttag
gatttaattt tctaagtnga cctataattn tcctgtataa aattgcattt gtcacatTTT
agtatcaagg ttgtcctanc nccatgaaat ggatttanaa tggttatgt aanataaaagt      180
acatttcttc taaaggTTTg ngtggattaa ctttcaaATC tgccanagng ngTTTTTTC      240
ctttttttt ttttttcatt tnaaggagn gcaagtanct tttcaaATNC tgatttaatt      300

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ttaaaaat ttncaagtnt nttanagtt tttattnntt ntngaangtt aacattttta 420
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taa 483

<210> 376
<211> 538
<212> DNA
<213> Homo sapiens

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ccctcgctt cccctccctt cccagagcca tcttcccagt ccaccatccc catcggtggc 120
attgttgctg gcctggctgt cctagcagtt gtggtcatcg gagctgtggc cgctactgtg 180
atgttagga ggaagagctc agtagggaa ggggtgaggg gtgggtctg ggtttctt 240
tcccactggg ggttcaagc cccaggtaga agtgtccct gcctcattac tggaaagcag 300
catccacaca ggggctaacg cagcctggga ccctgtgtgc cagcaattac tctttgtgc 360
agcacatgtg acaatgaagg acggatgtat caccttgatg gttgtgggtgt tgggtcctg 420
attcagcat tcatgagtca ggggaaggc cctgctaagg acagacctta ggagggcagt 480
tggtccagga cccacacttgc ttccctcgt gttccctgat cctgccttgg gtctgttag 538

<210> 377
<211> 440
<212> DNA
<213> Homo sapiens

<400> 377
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cctccctctc atttccatt aagtctgaga ggcaagagct aggttaggca aggaggtgg 120
tggccagaga tgggaacag ccaggtgcc cagtcctctg attttcctc catcctgctt 180
accacccccc tgggtactta cagccttctc ttgggaacag cggggccag gactgggtca 240
cctatgagct gaatcagcat ctcctcctga gtcccaggc ccctgcagtt cccagtc 300
tctgtcctgc agcccttgcc tcttccac aggttccact ttatatccac ctttcctt 360

tgttcaattt ttatTTTtat ttttttatt attaaatgat gtggTctatg gaaaaaaaaa 420
taaaaatctg acttagttt 440

<210> 378
<211> 513
<212> DNA
<213> Homo sapiens

<400> 378
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accccaatgg tttctccaat tatgcccattg ccacccaaac aataaaacaa aattctctaa 120
cactgcaaag agtgaggcat gcctgttaac actgtaaaga atgtaacatg tgggggacac 180
acaggggcag atggatggt ttagtttagg attttattag tgcatgccct accctctggg 240
ggaacgtccc atctgagggtt ttcttcgg tgggggatt taacttctgt cctagggaaa 300
acagtgtctg atgaggagtg ttccaacac aggctacatg aattcccccta taccagtgcg 360
aaagcagcca ggagtccccg ttggaaaaga acaatgccac tcttttat gtatcttgg 420
tctgcaactc atttgttta agtagggta atcgagtatc aggttcacag tatcctgcc 480
ttattatTTt atgattcact gactcaagtt cca 513

<210> 379
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<212> DNA
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tcaatggaa aagttaata agaggatttgcgtactg gctgtccaaa gataaaaatg 120
gaccgtccta tcacataca aattgtttt tagataaaga tttaataaca ggcactcctt 180
catttgcgtg gtgcaccccttgcgtactg gaaatgtatg gagctgaaac tgcaaagcaa 240
tttaataact ttatctgttg gaaatcttat agtttccttgcgtactg tgaccgttaa aattttcatt 300
aaactattaa aaacacccat gactggtcac aaatgtatttgcgtactg ggaaatggaa aagaattaat 360
acactaaaaa tacaaaaaat agaaaatatttgcgtactg taaaatttgcgtactg aaacatttgcgtactg 420
aaaatttgcgtactg actaggcagg gcgtggtggc tcacatctgt aatttttagcc ctggggagg 480
ctgangcagg tggatcacct gangtcagga gttcgagacc agcctgccaa cgtggggaaa 540
ccccgtctct actgaaaata caaaaatttgcgtactg ccgggcatgg tggcacaagc ctgtaatnct 600
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<223> n is a, c, g, or t

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cagtccatgc tggtaactnt tgagtattca gtgggtcttt taacaattac caccgtggag      180
ganagancaa ggaagagaaa tgctgtgatc ttttnctgtt ttAAATTAGN gaaagaggga      240
ttanattaaa caaatgttac agagntgtga ctntgatccc ccagnngtaa gcaataattg      300
tanagactgg atttnanaag ccctgagagt ttatTTCAA cctatntatt atagnncaat      360
cc                                         362

<210> 381
<211> 80

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<212> DNA
 <213> Homo sapiens

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 ggtcaaggca ccaggactga 80

<210> 382
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 382
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 ctctcctttg tgacttcaag agcctctggc atctctttct gcaaaggcat ctgaatgtgt 120
 ctgcgttcct gttagcataa tgtgaggagg tggagagaca gcccaccccc gtgtccaccg 180
 tgaccctgt ccccacactg acctgtgttc ctcggat catcttcct gttccagaga 240
 agtggctgg atgtctccat ctctgtctca acttcatggc gcgctgagct gcaacttctt 300
 acttccttaa tgaagttaag aacctgaata taaattgtt ttctcaaata tttgctatga 360
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<210> 383
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ctaagacccc ngaaaccaga cgagctacct aagaacagnt aaaagagcac acccgcttat 180
gtagcaaaat agtgggaaga tttataggtt gaggcgacaa acctaccgag cctggtgata 240
gctgggtgtc caagatagaa tcttagttca actttaaatt ngcccacaga accctctaaa 300
tccccttgc aatttaactg ttagtccaaa gaggaacagc tctttggaca ctagaaaaaa 360
accttgtaga gagagtaaaa aatttaacac ccatagtagg cctaaaagca gccaccaatt 420
aagaaagcgt tcaagctcaa cacccactac ctaaaaaatc ccaaacatat aactgaactc 480
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gcgaaactct gtctaaaaaa aaaaaaaaaaaa aaaaatttgt tgactttgt aatttaaagc 120
ttgtcatttt ttattnatata ataacactca ttagtgttagt atctatgatg aaccaggttc 180
tgcacaaagt accttatgtt catggcctca tatcgcttc tccaaaactc tgcaagata 240
gattcatcac cacttatagg gagagatctg aaagttaaa attgtaccca aggtcacaca 300
gctggtaagt gccagagctg ggattccgta gggtgttcan agtgccttc ctgcccgtagg 360
cttattcaca aaagtcaaag tttggtcata ataaaggctg aagttggca ggattttaaa 420
atagtcacca nactttgag ttggagcatc ccacccact gctgttcacc ttctgtggca 480
gggagagtca tcatttccat ttcagcttgc ggaatatctt gtcattaaca ttctcatgca 540
aaagccattt tatggtgccc aatgaanatg gttaagctac tgccccaaagc ctntggaagc 600
cttcctaatt ttggacttgc actatgcaaa ttgnataata ttttctctac cctaagccaa 660
atattttctt cactttcat tcattctac 689

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ccgaaggaga agggggtaa gtaaggaggt ctctgtacca tggctcgat aaagcagact 120
gcccccaaat cgaccgggtgg taaagcaccc aggaagcaac tggctacaaa agccgctcgc 180
aagagtgcgc cctctactgg aggggtgaag aaacctcatc gttacaggcc tggtaactgtg 240
gcgctccgtg aaatttagacg ttatcagaag tccactgaac ttctgattcg caaacttccc 300
ttccagcgtc tggcgcgaga aattgctcag gactttaaa cagatctcgc cttccagagc 360

gcanctatcg gtgcttgca ggaggcaagt gaggcctatc tggttggcct ttttgaagac 420
accaacctgt gtgctatcca tgccaaacgt gtaacaatta tgccaaaaga catccagcta 480
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ttgtactctg nngacagcct tctttaaaaa aaaaataaaac aattttaaaac aaaaaaaaaa 120
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aaaaaaaaaaan ttttaacc 198

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aaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaaan ttttaacc 198

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<212> DNA
<213> Homo sapiens |

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gactgtttaa atagacgggc aaggtgaaac ctttgaaag atgagcttt gaatataagt 180
tgtctgctag atcatggttt gtattgaact aacaagggttt gcagatctgc tgacttata 240
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aanatggntt tngngggttc nttnctnnnt nnnncatggg ananaattna ttntcntncn 120
nnttcctnn ccctnaanct acctcccccc nattttctcc cctnttcn acnttttgt 180
ctctccncnt anntcnanac nttaatggca anactatcta atancnanna taananctcc 240
tgtnnnccac atntcttatt nnncgcnca ngtnccnncc ccncagagtn aactcatcct 300
cnncnnaant tcatacgta nnctntnnnc nntngcgcga natattaann anaccngtan 360
ntnnnanaca nnanntnngn aanaancctt ctnannttt agcntcnngc nntaacnnnn 420
ntcttngtgn nnncncagct ttcncnnat natnctncnn cgaantntca nncntctccn 480
cttnaatgnn ttcccatttga ttaantncct cgnnnanagc actatcgtnn nngagnnnat 540
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<213> Homo sapiens

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 390
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tgtatggac cagaggccac ctctcctggg ctttcagtg tctcgccggc ggggttcggc 120
ctgagctgga ttgacatagc cttggcgga tttaaacaac ctaaacatta agcagtacag 180
ctgcctcaaa ccttggat tttcagaatg actgacactg ccgaagctgt tccaaagtt 240
gaagagatgt ttgcttagtag attcacagaa aatgacaagg agtatcagga atacctgaaa 300
cgccctcctg agtctcctcc aattgtttag gaatgaaata gcanagctgg tggAACCAA 360
agaaacagag gcaatcggtt gcaagacaac agacagttca gaggcaggga caacagatgg 420
gggtggccaa gtgacaatcg atccaatcag tggcatggac gatcctgggg taacaactac 480
ccgcaacaca gacaagaacc ttactatccc cagcaatatg gacattatgg ttacaaccag 540
cggcctcctt acggttacta ctgatagaaa tggcaggc 600
ctgttaccat gagaaa 616

<210> 391
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<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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 gtggtaaccc gcgaatacac catcaacatt nacaagcgca tccatggagt gggcttcaag 120
 aancgtgcac ctcgggcact caaagagatt cgaaaatttg ccatgaagga gatgggaact 180
 ccatatgtgc gcattgacac caggctcaac aaanctgtct gggccaaagg aataaggaat 240
 gtgccataacc gaatccgtgt gcggctgtcc anaaaacgta atgaggatga agattcacca 300
 aataagctnt atacttttgt tacctatgta cctgttacca ctttcaaaaa tctacagaca 360
 gtcaatgtgg atganaacna atcgctgatc gtcagatcaa anaaant 407

<210> 392
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 392
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 cactgagaac atccgcccgtg tttcaacga ctgccgtgac atcattcagc gcatgcacct 120
 tcgtcagtac gagctgctct aagaagggaa cccccaaatt taattaaagc cttaagcaca 180
 attaattaaa agtgaaacgt aattgtacaa gcagttatc acccaccata gggcatgatt 240
 aacaaagcaa cctttccctt ccccccagtg attttgcgaa acccccttt cccttcagct 300
 tgcttagatg ttccaaattt agaaagctt aggccgccta cagaaaaagg aaaaaaggcc 360
 aaaaaagttc cctctcaactt tcagtaaaaa taaataaaac agcagcagca aacaaataaa 420
 atgaaataaa agaaacaaat gaaataaata ttgtgttgtg cagcattaaa aaaaatcaaa 480
 ataaaaattt aatgtgagca aag 503

<210> 393
 <211> 587
 <212> DNA
 <213> Homo sapiens

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 <223> n is a, c, g, or t

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 ctaggtaaaa ataaatgtaa tacaatttta gctatgaacc aaaaaaccat ttgtggtgtg 120
 gatgcaagaa agtctggatg ggtgcagagt tctccatgtt tcacttctga catttgaaaa 180
 tacgcagttt gcatttgata cgtcaaatgt tatttttaag aaaaccaata aaatcattaa 240
 aaccgaaaag gcagtttgc ttgttttac cttagttgga gttatctgca attgccgtat 300
 tagtgtttta aggaacttgt aagtaagctc cttagtcccc ttttagagcta cgaaacatgt 360
 caattttact tttctccagc ttttgaaat cttatctaaa ttaccatgta gagttctgca 420
 tagcttcaaa ttctcttagc caatgtggtc tgtaagtgtc tatcgatgaa ttccaccgtt 480
 aattgccgt a tataactgtc ctgtaccgga tgtgaagagg agcaactctg cacagtgcac 540
 tggttgctcc catggtagga angaatggct tatcaatggc cgattt 587

<210> 394
 <211> 650
 <212> DNA
 <213> Homo sapiens

<400> 394
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 ctgaggaacc cggccgcgcg gcagctgaaa aagttggatg aagatagttt aaccaaaacaa 120
 ccagaagaag tatttgatgt cttagagaaa cttggagaag ggtgagtgt aagaaactat 180
 agtaggtca ttgggtccca gtctttcc tgccccagaa gaagcagaag gatatgaacc 240
 ttccagcatt gttcttaggtg gggtggaaagg taaatttaca gcttgtgtatg tccttcttcg 300
 ctttactcca atccctatta tagacagatt tagtGattcc tggctttttt aacacgaaga 360
 atatctattt tttctctttt tggtaggtatct gtatgattttt atctactttaa cagatagcac 420
 taatttagatt aaaattctat aagaaacttt ttaatttgct gttcataatt tctgattgg 480

atgcaataac tgtttcaatg aaaatcaatg taatttagta ttttaatatt tgcaccttg 540
tgaaatatacg taaataaaatt aagcactatc accacccctca cagctactta ggagatccac 600
aatcctgggt tgggagccag tggatttcct gaaacacaga tttgttaatg 650

<210> 395
<211> 502
<212> DNA
<213> Homo sapiens

<400> 395
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aactttggg ggacaggtat gtttcttgc agctgcgggt gtaaggcttt ggcaagacaa 120
gcagtgtggc cagaattttg aacttctgat gaatgtgtaa tgcaaaggac cttgtacatt 180
ttttgttca aaggtcctca aaatgagcac atgaagaggt tgctgtgaaa cttaagtgg 240
ccctactgcg cagaaggcatt cagatgtcac ttgatgatct gtaagggAAC ttgctgattt 300
ggaaatgtgc ttaggaaaca cacattcctt ttgacagggt ctgtcactgg gtgggtgatg 360
aattatacag atgacatgtg ctttttttc tttttcaac ctcaatggta ttcctacagg 420
aaatggataa ccatttaac tgtattttt gcagccgta cttcttggg aatacaattg 480
tctaactttt tatttttgtt ct 502

<210> 396
<211> 648
<212> DNA
<213> Homo sapiens

<400> 396
ccacaataat aagagaaaaa caggagcaaa aggatataca aaaccaccag aaaacaataa 60
acaaagtgac aggagtaagt ccttaactgg caataataac catgaatcta aatggattcc 120
attcccaact taaaagataa agacatgctg aatggataaa aagctgtcac ccagttatat 180
gctgcctaca acaaactcac ttcacctgta aacatacata tggatggaaa gagaaggcat 240
gggaaaagat actctactca aatgaaaaca aaaaccaaac aaaggtggct attcttat 300
gagataatac agacattaaa tcaaaaactg gaaacaaaca caaagtcatt gtataatgt 360

gaattcaatt atatcatgat gaattcaatt atatcctcct tcctgatcaa ttcagaaagg 420
aggatataat cttttaaat atatatacac ccaacaccag agcatataaa tatgtaaagg 480
aagataaaagg gagtcctgtg atcaagaata aatataacaa ttataaatat tttatctaaa 540
gtgatagata gactgtaata caataatagg gtggtgacat taacacccccc tctcacattg 600
gactgatcat ctagaaggga gaaaaagctt tatgattgga aaagccat 648

<210> 397
<211> 705
<212> DNA
<213> Homo sapiens

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<222> (668)..(668)
<223> n is a, c, g, or t

<400> 397
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ctcgcaaagg atctccttca tccctctcca gaagaggaga agagggaaaca caagaagaaa 120
cgccctgggtgc agagccccaa ttccctacttc atggatgtga aatgccagg tgaggagacg 180
gcttgctgttgc gtggggaaag cactggacct caacagttgg aaaatgttgt agtgttagct 240
gtctcgatc cttgaagctg tgcagcagct tcagtttctt cgccctgtgga aaatatttc 300
cctgatactc ttaaaatttgc aatgttatgag actggcaaag ttttgcatact taggaggagt 360
gattcatttc accgtgatct ctcatacat ttcacataca acccctacgt tttttgtgt 420
tgggaaacaa tgtaatggat gatgagttgg gcataagtgc aggaaagacg ggtgtatag 480
aggaaaaaaaaa tgttatctgc ttttcttca ggatgctata aaatcaccac ggtcttttagc 540
catgcacaaa cggttagttt gtgttgtggc tgctccactg tcctctgcca gcctacagga 600
ggaaaagcaa ggcttacaga aggatgttcc ttcaggagga agcagcacta aaagcactct 660
gagtcaanat gagtggaaa ccatctcaat aaacacattt tggat 705

<210> 398

<211> 622
 <212> DNA
 <213> Homo sapiens

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 <222> (597)..(597)
 <223> n is a, c, g, or t

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gaggtacctt acccacctca gcacctgaga gggtaaaata gaattctaac ctgcacattc	120
gggaagtgtt tttgagaagt ctcggcggt aaggaaatc ttccaagtcc gtgcagcact	180
aacgtattgg cacctgcctc ctcttcggcc accccccaga tgaggcagct gtgactgtgt	240
caaggaaagc cacgactctg accatagtct tctctcagct tccactgccc tctccacagg	300
aaaccaggaa gttctgtcaa caagtccatg ctgcatcaa ggcatttatt gcagtgtact	360
atttgcttcc aaaggatcag gccctgagaa caatgacattt atttcctaca acagtgtctg	420
ggttgcgtgc cagcagatgc ctcagatacc aagagataac aaagctgcag ctctttgtat	480
gctgaccaag aatgtggatt ttgtgaagga tgcacatgaa gaaatggagc aggctgtgga	540
agaatgtgac ctttactctg gcctcttcaa tgataactgag gagaacaact ctgacancca	600
caatcatgag gatgatgtgt tg	622

<210> 399
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 399	60
cgccacttat ccagtgaacc actatcacga aaaaaactct acctctctat actaatctcc	60
ctacaaatct ccttaattat aacattcaca gccacagaac taatcatatt aaaaaaaaaaaa	120
aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaa	155

<210> 400
 <211> 700
 <212> DNA

<213> Homo sapiens

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<220>
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<222> (13)..(13)
<223> n is a, c, g, or t
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<210> 401
<211> 479
<212> DNA
<213> Homo sapiens

<400> 401
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atcgtaaaaa agagaaccaa gaagttcatc cggcaccagt cagaccgata tgtcaaaatt 120
aagcgtaact ggcggaaacc cagaggcatt gacaacaggg ttcgtagaag attcaaggc 180
cagatcttga tgcccaacat tggttatgga agcaacaaaa aaacaaagca catgctgccc 240
aqtqqcttcc ggaagttcct ggtccacaac gtcaaggagc tggaaagtgtc gctgatgtgc 300

aacaaatctt actgtgccga gatcgctcac aatgttcct ccaagaaccg caaagccatc 360
gtggaaagag ctgccaact ggccatcaga gtcaccaacc ccaatgccag gctgcgcagt 420
gaagaaaaatg agtaggcagc tcatgtgcac gtttctgtt taaaataatg taaaaactg 479

<210> 402
<211> 628
<212> DNA
<213> Homo sapiens

<400> 402
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gatgttgatt gggcatgtc agatttagac agtgttgtt ttaagataaa tgtttatgg 120
ctcttagcag tgttcatgcc tcccctttc ccctgatact ttaaaaaacag aatatacaga 180
aaaggggagt tgggtgaaga atcaccatat tctcattacc agagtagtgt ctaccagctg 240
tttcacatt tttctgttcc ttctgtcct tggaatcctt ttttagatc cttgtatatac 300
tagtaaagat attccactct gtgttgtaag cattttcca ttttgctcca tggcttcat 360
aatgcctgt ggtccttat taagggatg caccatgtag aggtgaaagg ctttccttga 420
cttggccacc atttctgtat ttccctttaga ggaggagggt tccaacattt cttttttaga 480
gacagagtct cgttctgaca cgcaggcagg agtgcagtgg catgataaca gtcactgca 540
gcctcgaact cctggctca agttatcctc ccacctcagc ttccctgagta gctaggactg 600
caggtgcctg ccaccacacc cagctaat 628

<210> 403
<211> 494
<212> DNA
<213> Homo sapiens

<400> 403
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ccagcgccgc gcagccaccg cgcgcgcgc cgctctcct tagtcgcgc catgacgacc 120
gcgtccacct cgcatgtcg ccagaactac caccaggact cagaggccgc catcaaccgc 180
cagatcaacc tggagctcta cgcctctac gtttacctgt ccatgtctta ctactttgac 240

cgcgatgatg tggcttgaa gaactttgcc aaataacttc ttccaccaatc tcataaggag 300
aggggaacat gctgagaaac tgatgaagct gcagaaccaa cgagggtggc cgaatcttcc 360
ttcaggatat caagaaacca gactgtgatg actgggagag cgggctgaat gcaatggagt 420
gtgcattaca ttggaaaaaa aatgtgaatc agtcactact ggaactgcac aaactggcca 480
ctgacaaaaa tgac 494

<210> 404
<211> 599
<212> DNA
<213> Homo sapiens

<220>
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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<222> (299)..(299)
<223> n is a, c, g, or t

<400> 404
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tcttcctccc tgtgtattca ttctcatgat tattattta gtggggcgg ggtggaaag 180
attactttt ctttatgtgt ttgacggaa acaaaactag gtaaaatcta cagtacacca 240
caagggtcac aatactgttgc tgcgcacatc gcggtagggc gtggaaaggg gcaggccana 300
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tcgcccattat cccccagcaaa aagctccgca acaagatagc aggttatgtc acgcacatctga	240
tgaagcgaat tcagagaggc ccagtaagag gtatctccat caagctgcag gaggaggaga	300
gagaaaggag agacaattat gttcctgagg tctcagcctt ggatcaggag attattgaag	360
tagatcctga cactaaggaa atgctgaagc tttggactt cggcagtctg tccaaaccttc	420
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 <212> DNA
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 cagcttctcg ggaggctgag gtggggggac cacctgagcc atggagggtt aggctgcagt 180
 gagccgtat accaccactg tactctagcc tggccatag agtgagacac cctgcctcag 240
 aaata 245

<210> 414
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 414
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 gtactccggc agggagggtg acaagcacac cctgagcaag aaggagctga aggagctgat 180
 ccagaaggag ctcaccattg gtcgaagct gcaggatgct gaaattgcaa ggctgatgga 240
 agacttggac cgaaacaagg accaggaggt gaacttccag gagtatgtca ctttcctgg 300
 ggccttggct ttgatctaca atgaagccct caagggtgaa aaataaatag ggaagatgga 360
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 ttttttggt caaatttaa 439

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 <211> 526
 <212> DNA
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<222> (369)..(369)

<223> n is a, c, g, or t

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tgcaccccttc aatgacactt ttgtccatgt cactgatctt tctggcaagg aaaccatctg 180
ccgtgtgact ggtggatga agttaaaggc agaccgagat gaatcctcac catatgctgc 240
tatgttgct gcccaggatg tggcccagag gtgcaaggag ctgggtatca ccgcctaca 300
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ggccctcana gcccttggcc gctcggtat gaagatcggg cgattgagg atgtcacc 420
catcccctct gacagcactc gcaggaaggg ggtcgccgt ggtcgccgtc tgtgaacaag 480
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<210> 416

<211> 613

<212> DNA

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<223> n is a, c, g, or t

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cattgacaag acgggagaga atttccgtct gatctatgac accaagggtc gctttgtgt 180
acatcgatt acacctgagg aggccaagta caagttgtgc aaagtgagaa agatcttgc 240
gggcacaaaa ggaatccctc atctggtgac tcatgatgcc cgccaccatcc gctacccgaa 300
tccccctcatc aaggtgaatg ataccattca gattgattt aagactggca agattactga 360
tttcatcaag ttgcacactg gtaacctgtg tatggtgact ggaggtgcta accttaggaag 420
aattgggttg atcaccaaca gagagaggca ccctggatct tttgacgtgg ttcacgtgaa 480

agatgccaat ggcaacagct ttgccactcg actttccaac attttgtta ttggcaaggg 540
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gagagacaaa aga 613

<210> 417
<211> 663
<212> DNA
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ctgccattgt ggcccgccac acttaccttg ccaatggcca gaccaaggtg ctgactcaga 180
agttgtcatc agtcagaggc aatcatatta tctcagggac atgcgcata tggcgtggca 240
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cat 663

<210> 418
<211> 692
<212> DNA
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gcagcagggaa cccacttagg tggcaccaat cttgacttcc agatggaaca gtacatctat 180

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gctggccgct tcactcctgg aaccttcact aaccagatcc aggcagcctt ccgggagcca 420
cggttcttg tggttactga ccccaggcgt gaccaccagc ctctcacgga ggcacatcttat 480
gttaacctac ctaccattgc gctgtgtaac acagattctc ctctgcgcta tgtggacatt 540
gccatcccat gcaacaacaa gggagctcac tcagtgggtt taatgtggtg gatgctggct 600
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgaactgaag caagaagtta tcagtaccag cagcaaggca gaaccacccc agtgcacctc      120
cctggcctgg tctgctgatg acacaggttg ggcnggnncn cnngggnggn nnngnnnngc      180
                                         240

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ngnnggnncn gnnncnnnn ngcnnnngnn nntnnncnnn gnncnnnnnn nnnnnnnnnn	300
ngntcnngnn gcngggccn ggncgncgcf gncgcgnntn nnnggtncn nncncnnngg	360
cgcgc	365
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<211> 240	
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gctgaaaactt gaaaaaaacaa agcaaataa aaacaggaaa aaattgtacc tggtactttt	120
tttttagaaaa aaagattaaa aaagaaaagaa taaattcttg tttggaaact tgaaaaaaaaa	180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttaaactc	240
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<223> n is a, c, g, or t	
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gcaaccctgt ctttgtcaga ggaattggca ggtattcccg atctgccatg tattccanaa	180
aggccatgta caagaggaag tactcagccg ctaaatccaa ggtgaaaag aaaaagaagg	240
agaaggttct cgcaactgtt acaaaaccag ttggtggtga caagaacggc ggtacccggg	300
tggtaaact tcgcaaaatg cctagatatt atcctactga agatgtgcct cgaaagctgt	360

tgagccacgg caaaaaaccc ttcagtcagc acgtgagaaa actgcgagcc agcattaccc 420
ccgggaccat tctgatcatc ctcaactggac gccacagggg caagagggtg gtttccctga 480
agcagctggc tagtggctta ttacttgtga ctggacctct ggtcctcaat cgagttccctc 540
tacgaagaac acaccagaaa tttgtcattt ccacttcaac caaaatcgat atcagcaatg 600
taaaaaatccc aaaacatctt actgatgctt acttcaaaaa ga 642

<210> 422
<211> 503
<212> DNA
<213> Homo sapiens

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<222> (27)..(27)
<223> n is a, c, g, or t

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aagacccccc aaaccagacg agtacacctaa gaacagctaa aagagcacac ccgtctatgt 120
agcaaaatag tggaaagatt tataggtaga ggcgacaaac ctaccgagcc tgggtatagc 180
tggttgtcca agatagaatc ttagttcaac tttaaatttg cccacagaac cctctaaatc 240
cccttgtaaa tttaaactgtt agtccaaaga ggaacagctc tttggacact aggaaaaaac 300
ctttagaga gagaaaaaaaaa tttAACACCC atagtaggcc taaaAGCAGC caccaattaa 360
gaaAGCGTTC aagctcaaca CCCACTACCT AAAAATCCC aaACATATAA CTGAACCTCT 420
CACACCCAT TGGACCAATC TATCACCCTA TAGAAGAACT AATGTTAGTA TAAGTAACAT 480
gaaaacattc tcctccgcat aag 503

<210> 423
<211> 620
<212> DNA
<213> Homo sapiens

<400> 423
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gcagcgagac ctccgtgccc gaccatgtcg tctggccct gttcaacacc ctcttcatga 180
acacctgctg cctgggcttc atagcattcg cctactccgt gaagtctagg gacaggaaga 240
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<210> 424
<211> 702
<212> DNA
<213> Homo sapiens

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actatttaga tcatccagtc ccaccctgtc atttatggta ggaggaaact gaggcctaga 240
taagataacc agtttagtggg tccactgacc tttaggacag tagtctatcc gtaagagaca 300
acatggagaa agaaatacaa cgttttata gtgaattatc atcttacaaa gaatattctt 360
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cacagagct gaatgatagt cttatggat ctcatactgtc cttttatgt gtactacgtt 540
agggttttc acttgcattt ccttttagtct tatttgagct catctgtgct ttatgtgt 600
actacgttag gtgtttcac ttgcatttcc ttgtttgacg ttgacaataa atcgtgaagc 660

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702

<210> 425
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)..(13)
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gaagatgatg ggaaatatga ctccaccaag gagcaatgct gggattgcaa ctgttagggaa 240
caccatatt gcagtgggag gattcgatgg caatgaattt ctgaatacgg tggaaagtcta 300
taaccttgag tcaaataaatgggata gggccccata tacaaagatt ttccagttt aacaaattta 360
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catactatta aacatgctgt acatacttt tgggttatt tggaaaggaa tgcaaagatg 540
aaggctgtttt ttgtgtactt ttaagacttt ggttattta cttttggaa aagaataaac 600
caagaattga ttgggcacat cattcaaga ag 632

<210> 426
<211> 374
<212> DNA
<213> Homo sapiens

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gccccatggagt tactgaaggt ctccaaggac aaacggggccc tcaaatttat caagaaaagg 240
gtggggacgc acatccgcgc caagaggaag cgggaggagc tgagcaacgt actggccgcc 300
atgagggaaag ctgctgccaa gaaagactga gccccctcccc tgccctctcc ctgaaataaa 360
gaacagcttgc acag 374

<210> 427
<211> 567
<212> DNA
<213> Homo sapiens

<400> 427
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accactgtga cctctgaaaa cctcctgaac aaaaggaagg agacttggaa atcctgaatg 240
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tccttccac tctcttctgt caacttgctg tgagtaaatg acatctgtca cctgtgacac 480
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atgccttttc cagtcactgt accagcc 567

<210> 428
<211> 620
<212> DNA
<213> Homo sapiens

<400> 428
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gcagcgagac ctccgtgccc gaccatgtcg tctggccct gttcaacacc ctcttcatga 180
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tccaggccca gcgatagatc aggaggcatc attgaggcca ggagctctgc ccgtgacctg 420
tatcccacgt actctatctt ccattcctcg ccctgcccc agaggccagg agctctgccc 480
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ttctggtgct gctgtgactt 620

<210> 429
<211> 669
<212> DNA
<213> Homo sapiens

<400> 429
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taaatgatca ctttatttgc tagggaggga agtccttaggg tggttcagt ttctcccaga 180
catacctaaa ttttacatc aatcctttta aagaaaatct gtatttcaaa gaatcttct 240
ctgcagtaaa tctcgcaggg gaatttgcac tattacactt gaaagttgtt attgttaacc 300
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ccagaatctg ccatggcaac aggctttaaa aaagaccctt aaaaagacac tgtctcaact 540
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<210> 430
<211> 484
<212> DNA
<213> Homo sapiens

<400> 430
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gactaaccgc tataccttct gcataatgaa ttaactagaa ataacttgc aaggagagcc 180
aaagctaaga cccccgaaac cagacgagct acctaagaac agctaaaaga gcacacccgt 240
ctatgttagca aaatagtggg aagattata ggtagaggcg acaaacc tac cgagcctggt 300
gatacgctt tgtccaagat agaatcttag ttcaacttta aatttgccca cagaaccctc 360
taaatcccct tgtaaattta actgttagtc caaagaggaa cagctcttg gacactagga 420
aaaaaccttg tagagagagt aaaaaattta acacccatag taggcctaaa agcagccacc 480
aatt 484

<210> 431
<211> 576
<212> DNA
<213> Homo sapiens

<400> 431
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agtatttata ttcatctttt aaactggaa gatttatatt ttacttaaa acttcttgat 180
aataatttac aatgaatgga cacagtatg aagaaagtgt tagaaacagt agtggagaat 240
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gcnnnatnnn naggcganga nattgggnnn tnctcntnat agananctgg tgtcnnanaa
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tnanannnnn ttagaaaggt actctatata ctnntatgnt ncggcnata atanaacaga	780
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cattnngnat ntatnnngnn tantagtnan ttgggnctnn tncagantat attntngaa	960
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gcgagactcc atctcaaaaag aagaaaaaaaaaa aaacaacaaa aaaaccttta tcagattatc 360
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accgngtgca cacccagttc ctgcagaatc tcttgcagat atgggagagt cagccagtga      240
aaagatccat ttcttggaa tccttgtcaa caagaccagt tcagaaatcc aggatatata      300
gaaggctact gtaatttaaa aacagtaaca aaaaccccaa caaaacccaa atcaacaaag      360
accaagataa aggngtgata aacattaatt gtaatggttt tccttacat gcaatacatg      420

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aaagcacaca gtgttaatct ataaaatgac atccaagtgg atgatgattg ttttgcatg	600
tccccctgct tagattttt taaaatataat agtcaaaaaat taacatcctt cttaaaaat	660
acagaaggga aaaangggca aaaaaaaaaa tctagactcg agcaagctta tgcatgcatt	720
cggccgcaat tcganctcgg ncgacttggc caattcgccc tatagngagt cgnattacaa	780
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cttgaaatag tatttattga gtcatagtgg agtcatggga cttttaagg gccggaaggg      180
actatttaga tcatccagtc ccaccctgtc attttatgga ggagggaaact gaggcctaga      240
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acatggagaa agaaatacaa cgaaaaata gtgaattatc atcttacaaa gaatattctt      360
cccatatcgc acttttaaaa agtgggtacc ttagtcaaat aggaaaaaaa accacttgag      420
tagtttcatc ctcaggttt aggtgagggaa actgataactc agattaaata actttaagca      480
cacagagcct gaatgatagt cttatggag ctcatctgtg cttaaatgt gtactaogtt      540
aggtgtttc acttgcattt ccttagtct tatttgagct catctgtgct tttaatgtgt      600
actacgttag gtgtttcac ttgcatttcc ttgtttgacg ttgacaataa atcgtgaagc      660
tgccttatct aagnagtcct aaagtaaatac attgaaacac atgtanccag tttgttgtt      720
ttatggcca ggtntcaaataactgaaa acccatgcta actgactnat tttaaaagnt      780
gtntggggca tgaaangatt gctctgcctg ggcgggnggt tnancctgng tcccccnntt      840
nggagnccac ccangangcg atattnagg gnngattcna aaccctggc acgngnnaac      900

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tgatggttct catgccatca gttgtgtgga aatgtatgtat ccaactagaa atgaatggaa      180
gatgatggga aatatgactt caccaaggag caatgctggg attgcaactg taggaaacac      240
catttatgca gtgggaggat tcgatggcaa tgaatttctg aatacggtgg aagtctataa      300
ccttgagtca aatgaatgga gccctatac aaagatttc cagtttaac aaatttaaga      360
ccctctcaaa ctaacaggct tagtgatgta attatggta gcagaggtac acttgtgaat      420
aaagagggtg ggtgggtata gatgttgcta acagcaacac aaagctttg catattgcat      480
actattaaac atgctgtaca tacttttgg gtttatttgg aaaggaatgc aaagatgaag      540
gtctgtttg tgtactttta agacttttgt tatttactt tttggaaaag aataaaccaa      600
gaattgattt ggcacatcat ttcaagaagt cccctctcct ccacattgt tttgccaatt      660
tgcacattaa atgactcttc cctcaaatgt gtactatggg gtaaaagggg tagggnttaa      720
anatgtaaac agttgggttt tttaagggnc cttttcata actggaacac tctntacaag      780

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gntnctntt aaataaataa cttgacttt ttgtttnta aangnanctt cntgcttcca 840
taaaaaaaaaa aatttaantn gncanctntg ctgctgcgnc cantngctn gnccntggca 900
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<211> 787
<212> DNA
<213> Homo sapiens

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ttacatgtca gtattgttc aacacttag gcaacttgac tgtcagtgtt aaaatggaaa 180
acagggaaat gaaaaaatct gaccaattct gccaccttga gacttcata tagaccttgc 240
acaacaattt tatagatcac acaccggctg tatttaatat gtaacattt cacacatatt 300
aaagatacag aagtattaaa aaacccccaa tgttaatgta tttgcttaaa aggccacaagt 360
ttcacatatac tgtctagcta tctgttgta atacagaaag tatactactt ttttaaaaaa 420
gtggcagaa ttcttgtta tgttatattt tttgtacagt atgtgtatgt gtgtatatat 480
atatattata tatatagata atatataaat attttttta aggagaaact agaatgttta 540
gctagaaaat tccacagcct gtgaagaaaat atttcaaaaat ggccataaaag gaggtaaaaa 600
tgaaaaccat aacctaactt ttatagaggc tttatcttta atttaacgat gtgcggagga 660
ctttcttgct tgaatctgtt ccgggctgtc tgctctgtcc atcaaatggg caggtctggg 720
aatgaggcac ctccggccgt tcagaagtgg cctgaacaga atgctggaac ccaggctgga 780
ctcggac 787

<210> 445
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<212> DNA
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tagaaatctg	tgggttttg	atatggatta	gaaatctgtg	ggttttaat	atggattgga	180
aatctgtggg	ttttaatat	ggattaaaaa	acatctgtgg	gttttaata	tggattaaac	240
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gggttttaa	tatgggttaa	aaatcaaaag	aaaatgaact	atttgctcca	gtgcaggaaa	360
atacaggcaa	tactggatac	aatttagatgg	tcaggagcga	taaccgggtt	gccattgtt	420
gaagaagaga	ataagggtgct	agcattccta	tccgtagata	atttgacagc	tagaaatag	480
ggggagtctt	ctatgttagtt	agtgaaggct	aaatgaacta	ttatatgcag	ttatcgtaga	540
agagtactca	aaaaaaatctg	taaaaaataa	agaaaggccg	ggcgcggtgg	ctcacgcctg	600
taatcccagc	actttgggag	gccgaggcgg	gtggatcatg	aggtcaggag	atcgagacca	660
tcctggctac	canggtgaaa	cccccggtct				689

<210> 446
 <211> 688
 <212> DNA
 <213> Homo sapiens

<400> 446

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tttagtgcac	acttaatttg	atgattaaat	atggtagaat	taagcatttt	aaatgttaat	180
gtttgttaca	ttgttcaaga	aataagtaga	aatatattcc	tttgggtttt	attnaaat	240
ttgttcctct	gtaaaactaaa	agaacacgaa	gtaattggtc	acaattactg	gtgtttaact	300
gccaaatatg	ggttaaataag	ggaaaatttt	gtttaatatt	tagtcctct	gagatggctt	360
gaatatttga	attttggtgt	acgtctatac	tggtagtca	caagtcttat	aaacacttta	420

gaggaaaagat ggatttcagt ctgtattttt aaacatcatt tatttaaat ctggtgctga 480
aaaataagaa aaaaattaaa ctgcattctg ctgttcttct tttagaaggcat tcctgcgtaa 540
atactgctgt aatactgtca tgcaaagtgt atccttctt gtcgtatcct ttttggggca 600
gtgtttttt gttttttcc tagaaatgtt tgtccttccc ccacctgttg atccaggtta 660
aggaatactt ttttacactt tattcaaa 688

<210> 447
<211> 724
<212> DNA
<213> Homo sapiens

<400> 447
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aggtacctta cccacctcag cacctgagag ggtgaaatag aattctaacc tcgacattcg 120
ggaagtgttt ttgagaagtc tcggtcggta agggaaagtct tccaagtccg tgcagcacta 180
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aagggaagcc acgactctga ccatagtctt ctctcagctt ccactgccgt ctccacagga 300
aacccagaag ttctgtgaac aagtccatgc tgccatcaag gcatttattg cagtgtacta 360
tttgcttcca aaggatcagg ccctgagaac aatgacctta tttcctacaa cagtgtctgg 420
gttgcgtgcc agcagatgcc tcagatacca agagataaca aagctgcagc tctttgtatg 480
ctgaccaaga atgtggattt tgtgaaggat gcacatgaag aaatggagca ggctgtggaa 540
gaatgtgacc cttactctgg cctcttgaat gatactgagg agaacaactc tgacaaccac 600
aatcatgagg atgatgtgtt ggggtttccc agcaatcagg acttgttattg gtcagaggac 660
gatcaagagc tcataatccc atgccttgcg ctggtgagag catccaaagc ctgcctgaag 720
aaaa 724

<210> 448
<211> 622
<212> DNA
<213> Homo sapiens

<400> 448

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gatgcaggaa gcttaaacac caacaggata aataaaaacaa aatctacgct taagcatatc 180
atacttaacc tgcagaaaaat tacagacaaa gaaaaaacac cagagggaa gctggcagaa 240
acataccacc tatagcgaa gaagaataag aattacatca gacttcctt cagaaatctt 300
gcaaacaaaa agatgttagca caatatttaa agtattaaag gaggccggc ccggtgtgc 360
gggcctgtaa tcctaacact ttgggaggct gaggcaggag gaccatgagg tcaggagatc 420
gagaccatcc tggtgatggt gataccccat ctctactaaa aataaaaaaa attaaccggg 480
catggtgaca cgcacctgta atcccagcta cttgggaggc tgaagcagga gaatcgttg 540
agcccaggag gtggaggttg cagtgagccg agatcacatc actgcacgcc tggcaacag 600
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<210> 449
<211> 834
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t
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aatgtttgcc aaaccttatac actgactttt ataacaaaat tatttactat aatcattagg 180
gaatatttaa gttctgctaa tactaaaaat tgcagagtgc taaaaccagc agtgagttta 240
gaatcaagct aagctttatt gttgctacta tttgaggcat attagttgac tggtgttcat 300
atgcaaggca gtctactggg tgcaacaagg gttagaagga tatttttaaa aaactgaccc 360
tattctcagg atgaaaataa tacacttagta atagtcgtc ctgttggta actcctcgta 420
aggaggtaca attaaaaatgc tgttagtggta caagggaaagg agaggaagaa tcatattcct 480

tcactagcag gatcaagaaa gctttatag aaatatacaa aatcttcaact tcttgaaggaa 540
ttggtaaaat ttaatagcca acattgggca cttattcatt ctctgagtaa atatttattg 600
catgcttatac ttgtatcaag cattgtgatg aaagcacaag aatgaaagag gagggagaat 660
gtttagagaa taagggctga aacacagatt ttgttagggag cgtaggggag actganaaga 720
caggttcagg ttagtaaggg cgctcatatt ttgaccctga atgttaacta tgtgcacatc 780
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<210> 450
<211> 624
<212> DNA
<213> Homo sapiens

<400> 450
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gcctgaaatt gaagccatg gctaggctat gagaacccta gttcgatag taaagttgat 180
atcttctgga tgtataactaa ttttaggctt tattttaaaa ctgctggaaa ctgaaactta 240
gacaaaagta tttcaggac atcatttaca atgtttagcc ctaaagagtc aagctgtggg 300
attctgagtc tttcatatgt tacagcagaa acttaaaagc aagaggaaat tggctggca 360
cagtggctct gtaatcccag cactttggga ggctgaggtg ggtggatcat gaggtcaaga 420
gattgagacc atcctagcca acatggtaa accccatctc tactaaaaat acaaaaatta 480
gctggcgtg gtggcacacg cctgtaatcc cagctagtca ggaggctgag gcaggagaat 540
atcttgaact tgggaggcag aggttgcaagt gagccaagat tacatcactg cactccagcc 600
tggtgacaga gcgagactcc gact 624

<210> 451
<211> 966
<212> DNA
<213> Homo sapiens

<400> 451
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gaacttcaat	tacttgttca	tttgaagttt	gttttttaa	tgaacgtttt	tgctgttact	180	
taaatatagt	gtttgaaag	tgttcaaatt	gtattcaagt	tgggattttc	cataatttac	240	
tacagttctg	tcttagtatg	ttcaccataa	aacacttac	attaaagctc	acaaagtgc	300	
tttttgaat	atgaggataa	aatgaagcca	tataagaatt	tttttatatc	tgtacatttta	360	
acccacattt	gagctttagc	caaaatata	agctttttt	tttctgacct	ggccaacgta	420	
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ctattaagt	actgatgtca	acattagttt	catggcaa	taaagaggca	ttatacattt	540	
ttaaaacaca	ctaacatata	actgttagata	atgttagttt	tat	tatcatg	600	
agtatatttta	aatgtttaaa	tataaaaaag	ggtttttaaa	cacttttaat	ttttatctt	660	
gat	ttttttttt	attgatatct	cttccaggc	tactaataaa	attgccagaa	ctaaactatc	720
aggtaaaggt	taaggcatca	attgacaagt	aagtttcta	atttcgtttt	gaattacaat	780	
tccaaatgta	agacttttaa	aaatgaatgg	cctttat	tttgcac	ttt	840	
taaatttact	tatctaacat	tatataatga	atgtacttca	aatatttgc	tttgaagtca	900	
acattaacaa	attcatggat	cctaattttaa	atttactata	aaactggaat	catttattac	960	
ttcctt						966	

<210> 452
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 <212> DNA
 <213> Homo sapiens

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	tgttggttat	ttccagttt	gggtataat	ccaaatgct	ttttcaa	aataggctat	180
	atatcattaa	tgtccgttta	tcagcgtat	aaaatatctt	accataaata	ttaataaaag	240
	aagcattcat	atataaaata	tagatatttc	aaaccctaca	gagggcctt	taatgattaa	300

atattttgtc cttacaaaaaa ggtccaggta attacaccca tgaggttaac ctgccttagt 360
gcaggactta aaataaggct tctcctgccca tctctctcca tttgtagaat gtgaaattct 420
ttaaaaatgca tcctatatatta ggaataactat agctgtgcac tgggtttgt tctttcttt 480
aaactcgga ccgtatatat ctgctcaaata tgcggaaatgta tacatatgct gcactccatc 540
aagtgtcagg ccacattcta tcagcacagc gtgactgcct atcagtgaca atataagtga 600
gctctatttg gatcccctttt accctacctt ttatatttat gacagcatta tcataaaaact 660
ccaatattct tcaataactt acatgtttgt tgtaggataa aattattacc ctcaatgaac 720
tacat 725

<210> 453
<211> 715
<212> DNA
<213> Homo sapiens

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cgttccacag tataaatatg ctgcaggagt tcgcaatcct cagcaacatc ttaatgcaca 180
gccacaagtt acaatgcaac agcctgctgt tcatagtacaa ggtcaggaac ctttgactgc 240
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tcctcttatt caagccatgc accctactct tgctggtaaa atcactggca tgggtttgg 360
gattgataat tcagaacttc ttcatatgct cgagtctcca gagtcactcc gttctaaggt 420
tgatgaagct gtagctgtac tacaagccca ccaagctaaa gaggctgccc agaaagcagt 480
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gtgcttcacc gaagaaaaat atctaaacat cgaaaaactt aaatattatg gaaaaaaaaac 600
attgcaaaat ataaaataaa taaaaaaagg aaaggaaact ttgaacctta tgtaccgagc 660
aaatgccagg tctagcaaac ataatgctag tcctagatta cttattgatt taaaa 715

<210> 454
<211> 573

<212> DNA
 <213> Homo sapiens

<400> 454
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 aacctatgca tacattgaaa cacatagaac tatacggtga aaaaagtgaa tctgcctgta 180
 tgtaaatcta aaagaaaaat attttttaa aaaaacagat gcttcttaac acattatcat 240
 ctatgtcagt ttaacagtttta gtagacttag gccaggtgtc atggctcaact cctgtaatcc 300
 cagtgccttg ggagtctgag gtggacgat ctcttgagac taggagggag tttgagacaa 360
 acctaggcaa ttaatgaga ctcttccttca acaaaaaatt ttaaagttat ctggacatgg 420
 tgggcctgc ctgttgtccc agctacttgg gaggctgagg tggaggatt cttgagccc 480
 agaagttcaa ggctacagtg tgctatgata gagccactgc actccagcct gggcaaccag 540
 gtgagacctt gtctctaaaa tgaataaata aat 573

<210> 455
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 455
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 gatttagaat tcacctaagt ccaaaggaaa acacgtggtt tttaagcca ttaggtaaaa 180
 aaagttctca ataaaggcat tacaatttt tagttttaga aagatggact tttctgataa 240
 atcttggcag acatctaaaa aaaaaaccat attttcaca agaaaatgca agttactttt 300
 tttggaaata atactcactg attatggata aaatggaata tttcagata ctatattggc 360
 tgtttcaaaa tagtactatt cttaaactt gtaattttg ctaagttatt tgtctttgtt 420
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<210> 456
<211> 732
<212> DNA
<213> Homo sapiens

<400> 456
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acatgctgag aaactgtatga agctgcagaa ccaacgaggt ggccgaatct tccttcagga 180
tatcaagaaa ccagactgtg atgactggga gagcgggctg aatgcaatgg agtgtgcatt 240
acatttggaa aaaatgtgaa tcagtcacta ctggaactgc acaaactggc cactgacaaa 300
aatgacccccc atgtgagttat tggaacccca ggaaataaat ggaggaaatc atttgcctta 360
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tttagacaca ttacctgaat gagcaggtga aagccatcaa agaattgggt gaccacgtga 480
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acaccctggg agacagtgtat aatgaaagct aagcctcggg ctaatttccc catagccgtg 600
gggtgacttc cctggtcacc aaggcagtgc atgcattttg gggtttcctt tacctttct 660
ataagttgtat ccaaaacatc cacttaagtt ctgttatttgc taccatttcct tcaaataaaag 720
aaatttggta cc 732

<210> 457
<211> 465
<212> DNA
<213> Homo sapiens

<400> 457
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agagacgcaa gagaaaaatc cactgccttc caaagaaacg attgaacagg agaagcaagc 180
aggcgaatcg taatgaggcg tgccgcgcca atatgcactg tacattccac aagcattgcc 240
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ttaaatgact gtgctgcccc tttcacatca aagaactact gacaacgaag gccgcgcctg 360

cctttcccat ctgtctatct atctggctgg cagggaaagga aagaacttgc atgttggtga 420
aggaagaagt ggggtggaag aagtggggtg ggacgacagt gaaat 465

<210> 458
<211> 788
<212> DNA
<213> Homo sapiens

<400> 458
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gaattgacaa aatcagggtc gcaaagagaa ttgaaaaaaaaa tctgtcacaa cccaaattta 180
aattgacctc tgtcctagag tatgagagcc acactgaaca gaaaaaccag ataaatctt 240
tataaaatat tcatttgtag cccatttaac gttgcttgc accccacctc cccatgtcct 300
tggacaaaact gaatgtatac taacatcatc ccagggcagg cgccgtggct catgcctgta 360
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ctggccaaaa aggtgaaact ccgtctctac taacaataca aaaattagct gggtgcggt 480
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aaggtggagg ttgcagttag ctgagatcgt gccactgcac tccagcctgg gtgacagagc 600
aagactctgt ctggggagg ggggtggcgg agataaaagaa ataacatcat cttatactgt 660
caagctcaag gtgtctgcag ccttatcttc agggaaagtt gtgtcttct cagggaaagat 720
acagattca atttagagca agacagagag aagttacatt cagagaggaa aatgcagtag 780
tctaactg 788

<210> 459
<211> 423
<212> DNA
<213> Homo sapiens

<400> 459
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cctctgtgtg ccctttctat taacgtattt accccttaggc tgggcacaat ggctgatgcc	180
tgtaatccct gcactttggg aggccgaggc aggtggatca cctaaggtaa ggagttcaag	240
accagcctgg ccaacatggt gaaacctggt ctctactaaa aacacaaaaa ttagccaggc	300
atggtgtgtgt gcacctgtaa tcccagctac tcaggaggct gaggcaggag aattgcttga	360
acctgggagg cgagattgt gccaaagcac tccagcctgg gcaacaaaat gagactttgt	420
gtc	423

<210> 460
<211> 231
<212> DNA
<213> Homo sapiens

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agatgcttca ggaaagttgc aggtccatgc tgcaggacag gctcagatca gcagagacgc	180
atctcacatc gggctgtgaa attcaagttt agctgcaatt ggcaatgaga a	231

<210> 461
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<212> DNA
<213> Homo sapiens

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ttgagggcag gtctttcccc aaaatgcaga cacgaagggtg caaagtgaag ctgccagtct	180
tgc当地at gtaacttgc acgaaggcca cgagtggcag ggagagctgt cccacatttgc	240
cggaagtggc tatgtgagga cgggggaggc gggtccctta gagatgagac aatcataagg	300
ggagatatca gagaaaatcg taaggggagc agatgggtgt caagagaata ggctgaccat	360
cgaaggactg gcagaagctt tcagaaaacc actggacggc tgggcacagt ggcttaggccc	420
tgtatccca gcactttggg aggctgacgc aggtgaatca cttgaggtca ggagttccag	480

accagccctgg ccaacatggt gaaaccccat ctctacagaa aatataaaaa ttagccaggc 540
gtggtggcac aagcctagaa tcccagctac ttgggaggct gaggcaggcg aatggcttga 600
acccaggagt cagaggctgc agtgagtcga gattgttcca ctgcactcca gcctgggtga 660
cagtgcaga a ctccttccaa aaaaaaaaa 687

<210> 462
<211> 874
<212> DNA
<213> Homo sapiens

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<222> (717)..(717)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (754)..(754)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (810)..(810)
<223> n is a, c, g, or t

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gcaatctgcc gatattttt tttgttatct ggctggagc aagatgaccc cactaaccag 240
tggctggaat gggaaagcgac agagctgcag ccagcttgc 300
gtggtccaag gcaagaaggg ggaagatgtt cttgggttcag tgccggagagc cctgactcac 360
attgaccaca gcttgagtcg tcagaactgt ccttcctgg ctggggagac agaatctcta 420
gccgacattg ttttgtggg agccctatac ccattactgc aagatcccgc ctacccct 480
gaggagctga gtqccctqca caqctqgttc caqacactqa qtacccqaqqa accatgtcaq 540

cgagctgcag agactgtact gaaacagcaa ggtgtcctgg ctctccggcc ttacacctaa 600
aaggcagcccc agcccagccc cgctgaggga agggctgtca ccaatgagcc tgaggaggag 660
gagctggcta cccttatctga ggaggagatt gctatggctg ttactgcttg ggagaanggc 720
ctagaaagt ttgccccccgc tgccggcccca gcanaatcca gtgttgcctg tggctggaga 780
aaggaatgtg ctcatcacca gtgcctccn ttacgtcaac aatgtcccc accttggaa 840
catcatggt tgtgtgctca gtgcggatg tctt 874

<210> 463
<211> 585
<212> DNA
<213> Homo sapiens

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aaaaaaaaatta aattaaaata taataaattt cttgccgggc gcagtggctc acacctgtaa 120
tcccagcact ttgggaggcc gaggtggcg gatcacgaag tcaggagatt gagaccatcc 180
tggctaatac agtgaaaccc cgtctctact ataaatacaa aaaattagct gggcatggtg 240
gcgggcgtct gtagtcccag ctactcagga gtctgaggca ggagaatggt gtgaaccgg 300
gaggcggagc ttgcagttag ccgagatcgt gccactgcaa tccagcctgg gcagcagaac 360
gagactccat ctc当地ataaa taaataaata aaatgaattt cagctagaag agccttattc 420
catttccctt ttattaaac atctggcata agttggtaag tatgtgaagt ttatcatata 480
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tagagttga attcaggaag gacacctgtg ataggacaat aaaat 585

<210> 464
<211> 305
<212> DNA
<213> Homo sapiens

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aaactgaggt tcaacaatat tgtatttgag atggaaagt taaagaaatg caataatgta 120

aataatactt aagaaaataa gatctcagga aactgtgtat actctgtact tttatgcaac 180
tttatcagat catttcagta tatgcataaa ggatatagtg tatatgacat gaactttgag 240
tgcaaaaaact gtactatgta ccttttgtt attttgctgt caacatctaa ataaaggttt 300
ttttg 305

<210> 465
<211> 422
<212> DNA
<213> Homo sapiens

<400> 465
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gaaggcgatc tttaaaaaag agattaaacc gaaggtgatt aaaagacctt gaaatccatg 180
acgcagggag aattgcgtca tttaagccot agttaacgca ttactaaac gcagacgaaa 240
atggaaagat taattggag tggtaggatg aaacaattt gagaagatag aagtttgaag 300
tggaaaactg gaagacagaa gtacgggaag gcgaagaaaa gaatagataa gatagggaaa 360
ttagaagata aaaacatact tttagaagaa aaaagataaa tttaaacctg aaaagttagga 420
ag 422

<210> 466
<211> 833
<212> DNA
<213> Homo sapiens

<220>
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<222> (7)..(7)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (830)..(830)
<223> n is a, c, g, or t

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ggtgttaggaa	ggctgtggat	gaagacgctt	acattcatga	aggatttggta	taggcgaaca	180
ttagcttttc	caccaaattt	cagaatttta	agaaatgcct	taaatttattt	ctaaaaatc	240
aatttggggc	agacgagaag	ttctgataat	agtttttagg	gaacatgata	aaattctgac	300
cttagaagtg	gtataaccagt	ttgagaagaa	gaacaagcta	taaacggtgt	agataaacatt	360
cacggctatt	taagaaagag	ttactaaggg	aaaccagaat	gacttaagag	tgttactctt	420
cttttctga	gagaacaata	gcatcatctc	agaaagcctt	tcatgccatt	aataggtaag	480
aatctgggct	tcttggacca	tgggtagac	tttcttacaa	aaccataata	tgcatttcct	540
agcaaaattt	atgctattac	atttccttat	ctcaacaaag	actggtaat	tcaagtactta	600
ttcctaatt	ttcctaccct	taaaatgggg	atattctgcc	tctccaagga	atgctggaa	660
caagcaagtc	ctcatgttag	gggtcttga	gtttcatgg	aagtttaggt	tatttatatg	720
atgacatagt	tgtcaactta	cttcaggat	ggactttct	tttgtgagtt	tgtgacctaa	780
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<210> 467
<211> 594
<212> DNA
<213> Homo sapiens

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

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tgtaatccca gcactttggg aggccgaggt gggcgatca cgaagtcagg agattgagac 180

catcctggct aatacagtga aatccccgtc tctactataa atacaaaaaaa ttagctggc	240
atggtggcgg gcgtctgtag tcccgactac tcaggagtct gaggcaggag aatggtgtga	300
acccgggagg cgagcttgc agtgagccga gatcggtcca ctgcaatcca gcctggcag	360
cagaacgaga ctccatctca aataaataaaa taaataaaaat gaatttcagc tagaagagcc	420
ttattccatt ttcctttta taaaacatct ggcataagtt ggtaagtatg tgaagtttat	480
catatattct tatgcgaatt attatttcg cctttttt tataattctg tctgggattt	540
gaatagtaga gtttgaattc aggaaggaca cctgtgatag gacaataaaa tcta	594
<210> 468	
<211> 112	
<212> DNA	
<213> Homo sapiens	
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caaaaatttgt tacagaatac ctgcatatta atatttcaag gtatggatta at	112
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<213> Homo sapiens	
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<223> n is a, c, g, or t

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accagcactt tgggaggccg aggccccgg atcagtttag gtcaagagtt caagaccagc 180

ctgaccaagg tgctgaaacc ccgtctctac taaaaataca aaaattagcc aggcattgtg 240

gtgtgcgcct gtaatcccag ctactccaga ggctgaggca ggagaatctc ttgaaccag 300

gaggtggagg ttgcagttag tcgagatcat gccactgcac tccagccctgg gtgacagagc 360

gagactccgt cttagaaaaaa aaaaaaaaaa aaaaaagaac ctcacagttc agcagggttc 420

tagcatgaga caatgaggac aagggttaggt gagcaggtgg aaagagttag aacaggtcaa 480

ttgtgtatgga gaaaataata aagacagaaaa aggcagaaga ctgcctggca gaagacctgt 540

cccagcagat aaaaaataac agacaacagg agccagcata gacccttgac ctgtgtaaat 600

ctttctcagg cttctttta agtagaaaca tgcctttgaa aaaaagttt aataaacagg 660

aaaatataaa atccctattt acataaataaa tatatcctgg tcttattctt aaaaccattg 720

attttcacg gtcattaaan aaagctgggc gaggtggctc acgcccgtca tcctagcact 780

ttgggaggcc gaggcgggca natcacaagg tgaggagtt ggagaccagc ctgaccaaca 840

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gtaatccaag ctactcgaaa ggctgaggca gga 933

<210> 471

<211> 896

<212> DNA

<213> Homo sapiens

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gttaccttct tcagtatttt aagccagtga ttgacaggca aagctggagt gacaagggct	180
cagtctggga caggatgctc cgctcggttc tcttgaagct ggctgtgac ctgaaccatg	240
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taaatataacc aacagatgtt ttaaagattt tgtattctgt gggtgctcag acaacagcag	360
gatggaatta ccttttagag caatatgaac tgtcaatgtc aagtgctgaa caaaacaaaa	420
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gaatggaagg aaaggttatc aagacacaga acttggcagc tctccttcac gcgattgcc	540
gacgtccaaa gggcagcaa ctagcatggg atttttaag agaaaattgg acccatcttc	600
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aaggatcaca tctggatatt tttcaaactg ttctggaaac gataacccaa aatataaaat	780
ggctggagaa gaatcttccg actctgagga cttggctaat ggttaataact taaatggta	840
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<210> 472
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 472 aaaatttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	60
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<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
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<223> n is a, c, g, or t

<220>
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<222> (502)..(502)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (548)..(548)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (781)..(781)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (813)..(813)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (868)..(868)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (896)..(896)
<223> n is a, c, g, or t

<400> 473
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ttcggaaacg gagtctcgct ttctcgccca ctctggagtg gngcagtggg gnggtctcag 120
ctcaccacag cctccacccctc ctgggccccaa gcgcattccnt cacctcagcc tcctgcgtag 180
ctgggactac aggcggtgcac caccattccc aggttaatttt tgtattttt gtananaacag 240
ggtttcactg ttgttgccca ggctggtctc gaactcctgc ttcagtcgtc canaatgctg 300
gattcttaggc gtgagccacc gngcctggcc caaaaagttac ttttcttaca gaagcaaagc 360

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ttaatgcata ttactgaat gttatagct ttgtagatac taaaagagt atgagcgta 420
catacagaca catntaacag cactgcctcc aaccagcccc tacccactgg tcaggngagt 480
aanaatcaaa attctttct gngagtggaa cgaaatttc atctctcctc ctcaggcaag 540
tagttaanag gctggnggaa gtcatggccc catttgttc aaaatacaag ctccacagga 600
acaaaaggct gaactgctca cctcccaact gatgaacctc gtcttgcgtt catgtcaaag 660
gggccttgtt gttactgcag cagaaactcc agctatcaaa ccatcaggca ccaaaagtaa 720
aactccttc tctaaaaaga cctctttta cctgagcctt tcaatgcatt tttgccccca 780
nataatcctg gatgagataa tccccagagg aanaccagcg cttgcctagt gaaattatac 840
tatgagacaa ggtaaaaaga cctcaaananac cgggttggca ggtaagggag tagggn 896

<210> 474
<211> 350
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)..(3)
<223> n is a, c, g, or t

<400> 474
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gagagaaacc ttaccatgta cgtaagcctc ttgaggccgc tctctgaccc gcggggatgt 120
ggagggcagg gaaggaggtg gagcgcaggg aaggaggtgg agcagggagg cagtggact 180
gtttgctccc atctcaagca cacagtgggg caaccactac gctaattggtt ggaagaccta 240
gatctggcc caatggccag acaccctgct tgacccctggc ccaagcatta ggggactcat 300
ctttaaaatg agggtatggg actagatgat ctggccctta ggagaggagt 350

<210> 475
<211> 835
<212> DNA
<213> Homo sapiens

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<220>
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<222> (6)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (829)..(829)
<223> n is a, c, g, or t

<400> 475
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ggacaccgag cttgtggaga ccaggccagc aggagatgga accttccaga agtgggcagc      120
tgtgggtggc ccttctggag aagagcagag atacacgtgc catgttcagc acgaggggct      180
gccggagccc ctcaccctga gatggaagcc gtcttcccag cccaccatcc ccatcgtggg      240
catcgttgct ggctggctg tcctggctgt cctagctgtc ctaggagcta tggtggctgt      300
tgtgatgtgt aggaggaaga gctcaggtgg aaaaggaggg agctgctctc aggctgcgtc      360
cagcaacagt gcccagggct ctgatgagtc tctcatcgct tgtaaagcct gagacagctg      420
cctgtgtggg actgagatgc aggatttctt cacacctctc ctttgtgact tcaagagcct      480
ctggcatctc tttctgcaaa ggcatctgaa tgtgtctgct ttccctgttag cataatgtga      540
ggaggtggag agacagccca cccccgtgtc caccgtgacc cctgtccccca cactgacctg      600
tgttccctcc ccgatcatct ttccctgtcc agagaagtgg gctggatgtc tccatctctg      660
tctcaacttc atggtgcgct gagctgcaac ttcttacttc cctaattgaag ttaagaacct      720
aatataaaat ttgtttctc aaatatttgc tatgaagggt tggatggatta attaaataag      780
tcaattcctg gaagttgaga gagcaaataa agacactgaga accttccana atccg      835

<210> 476
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)..(18)
<223> n is a, c, g, or t

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<400> 476
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ctacaatattt ttattaaatt aataaatcag aataactaat ccatgtgtt tttctttct 120
taaaaaatat ctttggctg ggacacggtag ctcatggctg taatcccagc actttggag 180
gctgagggtgg gtggatcgcc tgatgtcagg agttcaagac cagcctggtc aacatgtga 240
aaccccatct ctactaaaaa tataaaaatt agccggtgtg gtggtggcg cctgtaatcc 300
cagctactca ggaggctaag gcaggagaat tgcgtgaacc caggagttca gtgatgttagc 360
ggggagctga gattgtgcca ctacactcca gcctggatga cagagtgaga ctccatctca 420
aaaaaaaaaa aaaaaaaaaa 437

<210> 477
<211> 369
<212> DNA
<213> Homo sapiens

<400> 477
gcataatgtg aggaggtgga gagacagccc accccgtgt ccaccgtgac ccctgttccc 60
atgctgactt gtgttcctc cccagtcattt ttcctgttc cagagagggtg gggctggatg 120
tctccatctc tgtctcaact ttatgtgcac tgagctgcaa cttcttactt ccctactgaa 180
aataagaatc tgaatataaa tttgtttct caaatatttgc tcatgagagg ttgatggatt 240
aattaaataa gtcaattcct ggaatttgag agagcaaata aagacctgag aaccttccag 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa 369

<210> 478
<211> 642
<212> DNA
<213> Homo sapiens

<400> 478
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gctaccaagt ttgaagggaa ccatgagtct tcaggctgga gcttccaaac cagatgaaaa 120

ccccacaatt aacctgcagt ttaagatcca gcagctggcc atttctggac tcaaggtgaa	180
tcgtctggat atgtatggag aaaagtacaa acccttaag ggcataaaaat acatgaccaa	240
agctgggaag ttccaagttc gaacctgaag ggagcatttg ctgagggaat agtcttgac	300
atttttcat ttcttacttg tctaaaagta aaaaaaaaata tcagcctgtc tccttaggtca	360
gtcccctcct ggacccaccc gctccctttt ttccttagcc ttcagtgcc a t g g a c t a a t	420
caaggagga aaaggtcacc agggagaact ggacagaact gaaacacagc aacaccagtt	480
ctcaaggaca aggtgtgtga tggggtagg aagcttggtg cttatgtaac cattttaaac	540
gtggtttcta taggaaagac caacatttgc ttagcttgct tggcttaat tatctaaagc	600
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<210> 479
<211> 912
<212> DNA
<213> Homo sapiens

<220>
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<222> (24)..(24)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (808)..(808)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (855)..(855)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (895)..(895)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (906)..(906)
<223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (910)..(910)
 <223> n is a, c, g, or t

<400> 479
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 attgaggcac aactgaaaaa ggtatattAC ttAAatCTCT tattgtattG taaactgtAT 180
 aagtaatgaa attaaaaggc agaaattgtc agactgaata aaatgaaaag accaaacaAT 240
 atgctgctTA caagaaacac aattcaaATA taaggacaca attagttAA aggAAAAGAA 300
 ctggAAAAGA tataccatGA taacacaAGt cagaagaaAG ctgctgtgGA tatattaATA 360
 tgagatgtAG attcagAGC agtGAATATT gccaggcATA aagAAAGTTA ttacataATA 420
 attaaggTAT cagttcatCA agaAGATgtA ataaccctAA gtatttatac aactaatATC 480
 agagcttcaa aatacatgaa gcaaaaacca gtggAAATTgA taggagAAAC acacaattAC 540
 acaattatAG tcagaatttt caacatatCT ttctcaatgg agaaaacaAC tagacaggAA 600
 atcattaagg atatAGatgA ttAAatttAT atgatcaACT acctggacGT aattggcATT 660
 tatggaacac tgcaccacCA acacGAGt acatattATT ttcaagtACA cagAAAACAG 720
 ttaccaatAT agaccatttt ctgggtcATA aaacacatCT caataaATgt AAAACAATTA 780
 atgttatATA aagtatgtgc tctgaccnCA aagGAATTAG agatcaATAA aagaacatCT 840
 ttgaaaaATC tcacntattt AAAAactAAT aactcactTC taaataACTC ctgtntcaAG 900
 agaatnaaaAN gg 912

<210> 480
 <211> 873
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (850)..(850)
 <223> n is a, c, g, or t

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tgggctgcag acagacaaac acctgagctg ttctgaatac cttcaggttc ctggcctcgc 180
tgagcaagtg cagaaatttt taccttcaag gatcagggtt tttctgtttg tttgttttt 240
aacacacaca tatgtgaaca aagagtatgc gtttgtactg gcagaagaag cgtctggtaa 300
gacaaccagc aagttaacaa tggtcaccc cagaaatggg ctggtaaac caaagaattt 360
ttttgttttt gttttttt agtcagggtc tagctctgtc acccaggctg gaacgcactg 420
gtgtgatcac ggctcactgc agccttgacc tccctggctc aagcaatcct cccagctcag 480
cctcctgagt cgttggact acaggcacgt gccaccacgc ctgacacatt tttaaattt 540
ttgttagagac agtgtttcac catgttgccc aggcaaggctc caaactcctg ggctcaagtg 600
gtcctccagc ttcagcctcc caaagtgcta ggattatagg tgtgagccac agtgcggcagc 660
cccgtagtgg agaatttctg ttgaatgaac caaaagcaac tgccaaccc tccatgcacc 720
atgtgtttca gaggagaaag cacagtgaag aatgcagtgt gttctgaggt cctgtcaccc 780
ctgaggctgt gtgtgtcctt tgccaaatta aagagtctta ctgaatgcgg tgcattccagg 840
agacaggccn aggttggac tggtaaaaaaaa aaa 873

<210> 481
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature

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<222> (531)..(531)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (741)..(741)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (775)..(775)
<223> n is a, c, g, or t

<400> 481
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tgacccacca ccccatctnt gaccatgagg ccaccctgag gtgctggcc ctgggcttct      120
acctctgcga gatcacactg acctggcagc gggatggcga ggaccaaact caggacacccg      180
agcttgtgga gaccagacca gcaggagaca gaaccttcca gaagtggca gctgtggtgg      240
tgccttctgg agaagagcag agatacacat gccatgtaca gcatgagggg ctgccgaagc      300
ccctcaccct gagatgggag ccatcttccc agtccaccgt ccccatcgtg ggcattttg      360
ctggcctggc tgtccttagca gttgtggtca tcggagctgt ggtcgctgct gtgatgtgta      420
ggaggaagag ttcaggtgga aaaggagggg gctactctca ggctgcgtcc agcgacagtg      480
cccagggctc tgatgtgtct ctcacagctt gaaaagcctg agacagctgt nttgtgaggg      540
actgagatgc aggatttctt cacgcctccc ctttgtgact tcaagagcct ctggcatctc      600
tttctgcaaa ggcacctgaa tgtgtctgcg tccttggtag cataatgtga ggaggtggag      660
agacagccca cccttgtgac aactgtgacc ccctgttccc atgctgaccc gtgttcctc      720
cccagtcatc tttttgttc ncaataggtg gggcctggat gtctccatct ctgtntca      778

<210> 482
<211> 666
<212> DNA
<213> Homo sapiens

<400> 482
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tttatccact catcagttga tggcatgta gttgggtcc atatcttgc aattctgaat      120

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tgtgctgtga tcaggtgtct ttttagtata atgatttact ctccttgaa	180
gtagtggat tgctggatcg aatggtttt ataatttctt attttaccac agtttctc	240
tgcatttttc ctcttgacc actaaccatg tgaaattctc atattgacct ttataatgtat	300
catgaactct tagtacattt gggaggcca cattgccac ttatgattgt aaaccttac	360
ctccatTTT cctgttattt ttggtgcaaa aagcacctat tataccagga cttaaaaaat	420
cagtcgtata agtcttgc aagtctaata ataataactg ataagtccat tgaatttgct	480
tctgattact tttcttttag tagctaaaca tgtatgtact cctatgatta caatgaacac	540
tcctctccat ttaaattaat tatttacattt gatgaaatag caaaatgtta atgactaaat	600
actgtcttgg tttttcggtt ccaggtcagt caatattaac ttcttataat tttctttttt	660
ttcttt	666

<210> 483
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 483	
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gagccaaagc taagaccccc gaaaccagac gagctaccta agaacagcta aaagagcaca	120
cccgcttatg tagcaaaaata gtggaaagat ttataggttag aggcgcacaaa cctaccgagc	180
ctggtgatag ctggttgtcc aagatagaat cttagttcaa cttaaattt gcccacagaa	240
ccctctaaat ccccttgtaa atttaactgt tagtccaaag aggaacagct cttggacac	300
tagaaaaaaa cctttagag agagaaaaaa atttaacacc catagtaggc ctaaaagcag	360
ccaccaatta agaaagcgtt caagctcaac acccactacc taaaaaatcc caaacatata	420
actgaactcc tcacacccaa ttggaccaat ctatcaccct atagaagaac taatgttagt	480
ataagtaaca tgaaaacatt ctccctcgca taaggctgcg tcagattaaa acactgaact	540
gacaatttaac agcccaatat ctacaatcaa ccaacaagtc attattaccc tcactgtcaa	600
cccaacacag gcatgctcat aaggaaaggt	630

<210> 484
 <211> 612
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (461)..(461)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (501)..(501)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (510)..(510)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (563)..(564)
 <223> n is a, c, g, or t

<400> 484
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 tgtggccgccc ttgtgtggtc actgcttcc tgggcctgct gtgagctccc tctaggaccc 120
 caggcctgtc tgggtgggtca ctgtgaccac caccttgcac agcacctggc gcgtggcagg 180
 tgctcaaaca ttacttgttt cgaaatgaac ttcatcttgc tcttggcttt ttgactaatg 240
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 ggtaatatta agataataat tcggccgggc gcgggtggctc acgcctgtaa tcccagcagc 360
 actttggag gccgaggtgg gcagatcacg aggtcagaag atcgagacca tcctggctaa 420
 cacgggtaaaa ccccatctct actaaaaata caaaaaattt nccgggcgtg gtggcgggctg 480
 cctgttagtcc cagctactca ngaggctgan gcaggagaat ggtgtgaacc cgggaggcag 540
 aggttgcagt gaaccaagat cgnncactg cactccagcc tgggcaacag agcgagactc 600
 catcttaaaa aa 612

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<210> 485
<211> 362
<212> DNA
<213> Homo sapiens

<400> 485
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ttaaccagtc atcaagcgag gctcgcgcc aggcggcccg ttggaaaatg gcggggaaagc      180
tgaaacctct gaatgtggag gcgccagaag ctgctgagga ggctgaaggt agtgaggggca      240
agtgggctgc actcctttct ctccaaccag ggcagaaagg agggaggatt cgtcccatta      300
caataatgaa ataatgatat tctaattttt ttaaataaaaa tgttaagcct tttgttattg      360
aa                                         362

<210> 486
<211> 854
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (557)..(557)
<223> n is a, c, g, or t

<220>
<221> misc_feature

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<222> (679)..(679)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (718)..(718)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (748)..(748)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (755)..(755)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (805)..(805)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (810)..(810)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (843)..(843)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (852)..(852)
<223> n is a, c, g, or t

<400> 486
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cgtttactac ctggctggcc gcgacctgag ccgcctgccc caactggtcg gagtctccac 180
accgctgcag ggcggctcga acagtgccgc cgccatcggtgc cagtcctccg gggagctccg 240
gaccggaggg gccccggccgc cgccctcctnt aggccctcc tcccaagccgc gccccgggtgg 300
cgactccagc ccagtcgtgg attctggccc tggcccccgt agcaacttga cctcggtccc 360

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agtccccac accaccgcac tgcgtgcc cgccgtccct gaggagtccc cgctgctgg 420
taaggactcg gtcggcgcc agtcggagga ttgggacccc cccggatttc cccgacaggg 480
tccccanac attccctcag gctggctttt ctacgacagc cagcctccct cttctggatc 540
agagtttaa atcccanaca gaggcttggg actggatggg agagaaggaa tgcgaggtgg 600
gtccctgggg agtcctgttg gaggcgtggg gccgggaccg cacaggaaag tcccgaggcc 660
cctctagccc caaaaccana gaaggccttg gagacttccc tgctgtggcc cgaggctnag 720
gaagtttgg agtttgggt ctgcttangg cttnagcag cttgcactg agaactttgg 780
tagggacctc gagtaatcca ctccntttt gggactgacg tgaggctccc ggtggggaaa 840
ganactgacc tntc 854

<210> 487
<211> 843
<212> DNA
<213> Homo sapiens

<400> 487
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agtcaaattt cctgaattgc tatgtgtctg ggttcatcc atccgacatt gaagttgact 180
tactgaagaa tggagagaga attaaaaaag tggagcattc agacttgtct ttcagcaagg 240
actggctttt ctatctttt tactacactg aattcacccc cactaaaaa gatgagtgat 300
cctgccgtgt gaaccatgtg actttgtcac agcccaagat agttaagtgg gatcgagaca 360
tgtaaggcagc atcatggagg tttgaagatg ccgcatttgg attggatgaa ttccaaattc 420
tgcttgcttg ctttttaata ttgatatgct tataactta cacttatgc aaaaaatgta 480
gggttataat aatgttaaca tggacatgat cttcttata attctacttt gagtgctgtc 540
tccatgtttg atgtatctga gcaggttgct ccacaggtag ctctaggagg gctggcaact 600
tagaggtggg gacgagagaa ttctcttatac caacatcaac atcttggtca gatttgaact 660
cttcaatctc ttgcactcaa agcttggtaa gatagttaa cgtgcataag ttaacttcca 720

atttacatac tctgcttaga atttggggaa aaatttagaa atataattga caggattatt 780
ggaaatttgt tataatgaat gaaacatttt tgtcatataa gattcatatt tacttcttat 840
aca 843

<210> 488
<211> 578
<212> DNA
<213> Homo sapiens

<400> 488
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tgtagatatg cgacgttatt tctgagggct ctgttctgtt ccattgatct atatctctgt 120
cacatgcaca cgtatgttg ttgtggcact attcacagtg gcaaagactt ggaacccaacc 180
caaatgtcca acaatgatag accgggttaa gaaaatgcgg cacatataca ccatggaata 240
ctatgtgcc ataaaaaatg atgagttcgt gtccttgta gggacatgga taaaattgga 300
aatcatcatt ctcagtaaac tatcgccagga aaaaaaaaaacc aaacactgca tattctcact 360
cataggtggg aattgaacag tggAACACA tggacacagg aaggggaaca tcacactctg 420
aggactgttg tgggtgggg ggagggagga gggatagcat tggagatat acctagtgt 480
ggatgacgag ttagtgggtg cagcgcacca gcatgtcaca tgtatacata tgtaactaac 540
ctgcacattg tgcacatgta ccctaaaact taaggtat 578

<210> 489
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<400> 489
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tatacccagc agtgggattg ctggattgta tgtagtctt attagtttt tgaggaacct 120

ccaaactgtt ctncatagtg gttgtactca tttacattcc cactgtgaac cctgaaaatt 180
tgaggcaggt ctcagttaaa ttagaaagtt gatttgccca agttggggac acgcactcgt 240
gacacagcct caggaggaac tgatgacatg tgcccaggtg gtcagagcac agcttggtt 300
tatacatttt agggaaacct gagccatcaa tcaacatacg taaaatggc cgggcacagc 360
agctcaagct gtaatcccag cactctgggaa ggccgaggcg ggtggatcac ttgaggtcag 420
gagttcgaga ccagcctggc caacatggtg aaacccggtc tctattaaaa atacaaagct 480
tagctggatg tggtgtcgca tgcctgtagt cccagctgct ctaggaggct gaggcatgag 540
aattgcttga acctgggagg cagaggctgc agtgagccgaa gatcgagcca ctataactcca 600
gcctggtcaa cagagtgaga ccctgtct 628

<210> 490
<211> 612
<212> DNA
<213> Homo sapiens

<400> 490
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gaagtctgcc gttactgccc tgtggggcaa ggtgaacgtg gatgaagttg gtggtgaggc 120
cctggcagg ctgctggtgg tctacccttg gaccagagg ttctttgagt cctttgggaa 180
tctgtccact cctgatgctg ttatgggcaa ccctaagggtg aaggctcatg gcaagaaagt 240
gctcggtgcc tttagtgtat gcctggctca cctggacaac ctcaaggcga cctttgccac 300
actgagtgag ctgcactgtg acaagctgca cgtggatcct gagaacttca ggctcctggg 360
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ggctgcctat cagaaagtgg tggctgggtgt ggctaatgcc ctggcccaca agtataacta 480
agctcgctt cttgctgtcc aatttctatt aaaggttcct ttgtcccta agtccaacta 540
ctaaactggg ggatattatg aaggcccttg agcatctgga ttctgcctaa taaaaaacat 600
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<210> 491
<211> 677

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (208)..(208)
 <223> n is a, c, g, or t

<400> 491

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cggcgcatcc	acacagtccg	tgtgcgggga	ggtaacaaga	aataccgtgc	cctgagggtt	180
gacgtgggga	atttctcctg	gggctcanag	tgttgtactc	gtaaaacaag	gatcatcgat	240
gttgtctaca	atgcatctaa	taacgagctg	gttcgtacca	agaccctgg	gaagaattgc	300
atcgtgctca	tcgacagcac	accgtaccga	cagtggtag	agtcccacta	tgcgctgccc	360
ctgggccgca	agaagggagc	caagctgact	cctgaggaag	aagagatttt	aaacaaaaaa	420
cgatctaaaa	aaattcagaa	gaaatatgat	gaaaggaaaa	agaatgccaa	aatcagcagt	480
ctcctggagg	agcagttcca	gcagggcaag	cttcttgcgt	gcatcgcttc	aaggccggga	540
cagtgtggcc	gagcagatgg	ctatgtgcta	gagggcaaag	agttggagtt	ctatcttagg	600
aaaatcaagg	cccgcaaagg	caaataaatc	cttgggggt	cttcacccat	gtaataaagg	660
tgtttattgt	ttttgtt					677

<210> 492
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (74)..(74)
 <223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (724)..(724)
<223> n is a, c, g, or t

<400> 492
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caaccaccc ttggncatgtt ggngaggacc tcctgaggct gtgtcatggg cacaccta 120
ccctggaaaa ataaactttc taaactgact tgagagctgt ctcagatatt ctgagcttac 180
agttattgtt aaatcatttt aattataaat taagtggaga tttacttaaa atcatgtgt 240
gaagtagcct gtgatatagt cctagataca tacattatca tcttatgtat cttccctccc 300
tcttcaggt tctgataaaaa acagatgaaa tctgaaagac catgacagta gtatttgaa 360
aatgacagta ttgaaatta aaaaattgtt aaagtgttct gttctatcac tgccaaagga 420
taagttacaa attggttctt ggaacgtaat atgtactatg tgcttgctat ttaataattt 480
accagtcctt gtctttttt ttcagactaa tttaccttt ttttaaccta tgactcttta 540
gttatagttag tacaaaaaaag tagtttagt tatagttta gttgtagtagc aaaaaagcat 600
tttctgttaag cttaaatttct ttcccccttcc cgctttccca gtcagatgac ttttagtgatt 660
tggagttgtt tgctttataa gtgcattcct cagaggactt aatattacta agattttagc 720
aacnctgaaa tatgtt 736

<210> 493
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (559)..(559)
<223> n is a, c, g, or t
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<400> 493
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cccagatcgn gncattgcag tccagcctgg gtgacagagt gagaccccat gtcaaaaaaa 120
aaaaaaacaaa aaacaggggc ctgcctcanc cagcaggtga ggtctgccac tgagagcact 180
tctagcagca ggaacagcct ccaccccac actgcaatca agtttttgg gtcagcctta 240
ggagctaana aagggcctag tttgnctaaa tagcaggagt tatatccagg gatcttcagg 300
cccaggaatg ctaatgagta ggcattccat gggccctggg aatggcttg tgtgccanaa 360
atgatggcca caaaggcctt gctgcctttt ttcaaaatgg ctgcattccag ctgagtgctc 420
tctgccaaag ggganaanaa aataagtctc cagtgcattt agattggtct ctcatcatct 480
ctctcctttt tgtttttatt agtctcctta accaaaactg ccaagaaagg cttggaattg 540
aaacaaaacc tgatanaana ggtaagaggt tgttctttt 579

<210> 494
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (373)..(373)
 <223> n is a, c, g, or t

 <400> 494
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 tataaaataa ccacattagt gaacattata tctcttagaa gaaaggccat atttgctcc 180
 tgcttcgtta aaaatattat ttgttgaag gggaaataat ggtagtgtga ccttcactt 240
 aattcctact cccttaatgt gagagagaca aaatgagctg aagaaggaaa attctggagt 300
 tacactccac aaccttgaac atactgacgg acatctctgt tttgacaacg atttctccat 360
 gccaccatg ctntaatgcc ttgtggatca cgacacaaccc tcttgcaca agctacagca 420
 tcagcgatgt tatcttgcag caaagcactg caggataat gacaggcatt aactgctcct 480
 ggggtttgc catcattaca ccagtagcgg ctattgatct gaaatatccc ataatcagt 540
 cttctgtctc cagcattgta gttttagct cgtgtgttgt aaccactctc ccatttggcc 600
 aaacacatcc agtttgcgtag gctgattccc ctgtagccat ccattccaa tctttcaga 660
 gttctggcca actcacacct ttcaaagacc ttgcctgga ccgtaacaga aaggaggaca 720
 agccccagaa caatgagagc cttcatgttg ac 752

<210> 495
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (103)..(104)
 <223> n is a, c, g, or t

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 tgggtgttgtt ggctcatgtc tgtaagctca ggactttgga aggccaagat gggaggatca 180
 cttgagcctg ggagttgac accagcttga gcatcgtagc caggccctga ctctacaaaa 240

aagtgaaata attagccgag tgtggtggtt cacacctgta atcccagctg ctcaggaggc 300
tgaggttagga gaatcatttgc aacccgggag gtggagggttgc cagttagccg agatcacgcc 360
attgcactcc ggcctggcg ataaaagcgag actctgtctc aaaaaaaaaaaa aaaa 414

<210> 496
<211> 670
<212> DNA
<213> Homo sapiens

<400> 496
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ggcctggagg ctatccagcg tactccaaag attcagggtt actcacgtca tccagcagag 120
aatggaaagt caaatttcct gaattgctat gtgtctgggt ttcatccatc cgacattgaa 180
gttgacttac tgaagaatgg agagagaatt gaaaaagtgg agcattcaga cttgtcttgc 240
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gagtagtcct gccgtgtgaa ccatgtgact ttgtcacagc ccaagatagt taagtggat 360
cgagacatgt aagcagcatc atggagggtt gaagatgccc catttggatt ggatgaattc 420
caaattctgc ttgcttgctt tttaatattt atatgcttat acacttacac tttatgcaca 480
aaatgttaggg ttataataat gttaacatgg acatgatctt cttaataatt ctactttgag 540
tgctgtctcc atgtttgatg tatctgagca ggttgctcca caggtagctc taggagggt 600
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ttgaactctt 670

<210> 497
<211> 489
<212> DNA
<213> Homo sapiens

<400> 497
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aagtccgtca ggaagccccgc gcgcacacgc catggctttt aaggataccg gaaaaacacc 120
cgtggagccg gaggtggcaa ttccaccgaat tcgaatcacc ctaacaagcc gcaacgtaaa 180

atccttggaa aaggtgtgtg ctgacttgat aagaggcgca aaagaaaaga atctcaaagt 240
gaaaggacca gttcgaatgc ctaccaagac tttgagaatc actacaagaa aaactccttg 300
tggtaaggt tctaagacgt gggatcggtt ccagatgaga attcacaagc gactcattga 360
cttgcacagt ccttctgaga ttgttaagca gattacttcc atcagtattg agccaggagt 420
tgagggtggaa gtcaccattg cagatgctta agtcaactat tttaataaat tgatgaccag 480
ttgttaaaa 489

<210> 498
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<400> 498
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tcttatgact aaaatagata atccattnag aaatttaagt cattcttgcg tgcttgatat 180
gtgtcagcac tatccaagtt gctagggat acaatggtga agtaaaata tcagcttagt 240
gccggtggct cacacctgtt atcccaacag tttgggaggc cagggtggga ggatcactca 300
agcacangcg tttcacacca gcctggacaa catacaagac cccatcttta ccaaaagtta 360
ag 362

<210> 499
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (193)..(193)

<223> n is a, c, g, or t

<400> 499

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acatggtgaa accctgtctc tactaaaaat acaaaaatta gctggcggtg gtggcgcatg 180
cctgtatatcc canctactca ggaggctgag gcaggagaat tgTTTgaacc cgggaggcgg 240
agttgcagt gagccgagat tgcGCCactg cactCCAGCC tggcaacag agcGAAactC 300
catctcaaaa aaaaaaaaaaaa aaaacaacct ttatTTTtc tgattttaaa agtaataact 360
agttttaga aacattaaaaa gt 382

<210> 500

<211> 556

<212> DNA

<213> Homo sapiens

<400> 500

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gccgaggaac aagtCGGTCA ggaagccccgc gcgcAACAGC catggCTTT aaggataACG 180
gaaaaacacc cgtggagccg gaggtggcaa ttccaccGAAT tcgaatcacc ctaacaAGCC 240
gcaacgtaaa atcTTggaa aaggTgtgtg ctgacttgat aagaggcgca aaagaaaaAGA 300
atctcaaagt gaaaggacca gttcgaatgc ctaccaAGAC tttgagaATC actacaAGAA 360
aaactcCTTg tggtgaaggt tctaAGACgt gggatcgTTT ccAGATGAGA attcacaAGC 420
gactcattga ctTGcacagt cttctgaga ttgttaAGCA gattacttcc atcagtattG 480
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tgatgaccag ttgttt 556

<210> 501

<211> 464

<212> DNA

<213> Homo sapiens

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<400> 501
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aagtacgtcc tgggttacaa gcagactctg aagatgatca gacaaggcaa agcgaatttg 180
gtcattctcg ctaacaactg cccagcttg aggaaatctg aaatagagta ctatgctatg 240
ttggctaaaa ctggtgtcca tcactacagt ggcaataata ttgaactggg cacagcatgc 300
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caaaccttaa acctgcaaaa tttccttta ataaaatttg cttg 464